



The University of Sydney

Faculty of Education and Social Work Handbook 2006

University dates

University semester and vacation dates 2006

<i>Summer School</i>	
Lectures begin	Tuesday 3 January
Lectures end	Friday 3 March
<i>Semester One</i>	
Lectures begin	Monday 6 March
AVCC common week/non-teaching Easter period	Friday 14 April to Friday 21 April
Last day of lectures	Friday 9 June
Study vacation: one week beginning	Monday 12 June to Friday 16 June
Examination period	Monday 19 June to Saturday 1 July
Semester ends	Saturday 1 July
AVCC common week/non-teaching period	Monday 3 July to Friday 7 July
<i>Semester Two</i>	
Lectures begin	Monday 24 July
AVCC common week/non-teaching period	Monday 25 September to Friday 29 September
Last day of lectures	Friday 27 October
Study vacation	Monday 30 October to Friday 3 November
Examination period	Monday 6 November to Saturday 18 November
Semester ends	<u>Saturday 18 November</u>

These dates (and any updates) are also available at:
www.usyd.edu.au/fstudent/imdergrad/apply/scm/dates.shtml

Last dates for withdrawal or discontinuation 2006

<i>Semester One units of study</i>	
Last day to add a unit	Friday 17 March
Last day for withdrawal	Friday 31 March
Last day to discontinue without failure (DNF)	Friday 28 April
Last day to discontinue (Discontinued - Fail)	Friday 9 June
<i>Semester Two units of study</i>	
Last day to add a unit	Friday 4 August
Last day for withdrawal	Thursday 31 August
Last day to discontinue without failure (DNF)	Friday 8 September
Last day to discontinue (Discontinued - Fail)	Friday 27 October
Last day to withdraw from a non standard unit of study	By the census date of the non standard unit of study which must not be earlier than 20 per cent of the way through the period of time during which the unit is undertaken.

Details are in the session calendar on the timetabling website
<http://web.timetable.usyd.edu.au>.

The University of Sydney

NSW 2006

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This book (and other handbooks) can also be found at:
www.usyd.edu.au/liandbooks

The University of Sydney

Faculty of Education and Social Work Handbook 2006.

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The information in this handbook is subject to approval and/or change by the appropriate faculty of the University. Students should always check the accuracy of the information with faculty staff.

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Faculty of Education and Social Work Handbook

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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.



The Faculty is pleased to have some of the best facilities in the country and boasts good IT labs, a dance studio, art workshops, music rooms, an exercise physiology lab, and the Early Intervention Centre, which includes demonstration classrooms that are attended by school children in the area. 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

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 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 the PDHPE (Personal development, health and physical education), school counselling or D&T (Design and Technology) areas, and, of course, Social Work. In addition to dedicated, single degrees, the Faculty also offers a number of double degree courses with other faculties in the University. A feature of both types of courses is a strong partnership with other faculties in the University. 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 courses. In addition, the Faculty has a large and vibrant group of postgraduate research students undertaking degrees at the master and doctoral levels.

1. Faculty of Education and Social Work

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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.

Schools and Divisions

School of Development and Learning

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Executive Assistant: Ms Cecilia Rigor-Aguilar

School of Policy and Practice

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Acting Head of School: Associate Professor Anthony Welch
Executive Assistant: Ms Deborah Young

School of Social Work and Policy Studies

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Executive Assistant: Ms Julie Rosenberg

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Division of Undergraduate Studies

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Head of Division: Dr John Hughes

Division of Professional Learning

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Head of Division: Associate Professor Robyn Ewing
Executive Assistant: Ms Gaye Wolnizer
Professional Experience Coordinator: Dr Llian Merritt
Partnerships Coordinator: Mr Mike Horsley
Professional Development Coordinator: Dr Judy Anderson

Division of Research

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Email: edfac.research@edfac.usyd.edu.au
Head of Division: Professor Peter Goodyear

Division of International Relations

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Email: k.laws@edfac.usyd.edu.au
Head of Division: Dr Kevin Laws

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Professor Derrick Armstrong

Executive Assistant to the Dean

Marion Lupton

Pro-Dean

Dr Lindsey Napier

Associate Deans

Dr Janette Bobis (Division of Graduate Studies)
Dr John Hughes (Division of Undergraduate Studies)
Dr Donna O'Connor (Teaching and Learning)
Dr Kevin Laws (International and External Relations)

Faculty Manager

Shona Smith BA(Hons) LLB GradDip Museum Stud

Manager Student Administration

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Peter McAndrew (Campus Services)
Peter van Welsem (Campus Services)
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Library

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Schools

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Angela Thomas BEd MED Tas PhD CDU
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Honorary Senior Lecturer

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 Michael Horsburgh MSW *UNSW* BA DipSocWk

Honorary Associate Professor

Mary Lane BA MSW DipSocStud

Honorary Senior Lecturer

Jan Larbalestier BA PhD *Macq*
 Tony Vinson BA DipSocStud MA Hons *UNSW* PhD *UNSW*

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Centres of the Faculty

CoCo Research Centre

(Centre for Computer Supported Learning and Cognition)

Directors

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 Professor Peter Goodyear

Administrative Assistant

Mandy Newton, BA (Canb)

Lecturer, Master of Learning Science & Technology (MLS&T)

Dr Tren Hu

Post Doctoral Fellow

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Educational Multimedia Designer

Dorian Peters BA *Carnegie Mellon University* MMDes Syd

Web Application Developer

Adam Ullman BE

Postgraduate Fellow

Kate Davison BSc (Hons) *UNSW* Grad Cert Enviro Management *UNSW*

Postgraduate Fellow

Kashmira Dave MEd MSc PGDCA

Postgraduate Fellow

Miriam Weinel MPsych *University of Heidelberg*

Postgraduate Fellow

Michael Lawrence-Slater MICT

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 in-

elude 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;
- to support innovative programs of postgraduate study;
- to assist colleagues in the Faculty, and in the rest of the University of Sydney, develop new lines of research in the field of ICT and Education;
- to foster networks of researchers and practitioners involved in the field, and encourage collaboration with colleagues in other research centres;
- to attract researchers to the University, including PhD students and distinguished visitors from academia and industry.

Centre for Early Intervention Research

(including the Evelyn McCloughan Children's Centre)

Director

Associate Professor David Evans

The Children's Centre operates as an educational resource within the Faculty of Education and Social Work. It was established in 1977 in order to help students within the Faculty to become more aware of children with learning difficulties, and to provide them with the knowledge and skills to be able to teach such children. Currently within the Centre there are three units:

Language Development unit

- Developing skills in speaking, listening, reading and writing;

Numeracy unit

- Developing the child's mathematical ability in the areas of number, space and measurement;

Early Learning unit

- Programs in this unit aim to develop perceptual, communication, thinking and social skills as well as a wide variety of concepts.

The Centre is currently under review and future directions are being developed for 2005 and beyond. As part of these future directions, emphasis has been put into developing a greater research focus and community service components, as well as a revitalised undergraduate program of teaching. Research students associated with members of the Centre are researching areas including:

- peer tutoring in the secondary school;
- social adjustment and early literacy skills in young children identified "at-risk";
- effective mathematics programs for students experiencing learning difficulties.

Health Education unit

Director

Ms Meg Pickup

Health Education Unit Library Manager

Tim Cotsford

Senior Education Officer

Kylie Fitzgerald

Library Assistant

Martin Cheung

This unit was established in late 1979 with financial assistance from the NSW Drug and Alcohol Authority. Funding was provided until 1999 by the NSW Department of Health. Currently the unit is funded by the NSW Department of Education and Training. The unit has been involved in several major initiatives in drug education. The main functions of the unit are:

- to develop and produce resource materials, reports, papers and teaching programs on drug education;
- to provide consultancy to schools, government departments, community groups and others in the drug and health education field;
- to conduct education and training for parents, teachers, tertiary students and health workers; and
- to provide information resource materials for persons involved in the delivery of drug education.

The Unit's library has a unique yet comprehensive collection of resources covering the areas of drug and health education with a primary focus on the prevention of drug and alcohol abuse. Users can access the catalogue via the Internet (health.ed-fac.usyd.edu.au/brs). Courses and seminars have been a feature of the Unit's work since its inception. These have included programs for parents, in-service courses for practising teachers and programs for both undergraduate and postgraduate Education students. The Health Education unit has also organised state and national conferences for tertiary educators and workshops for local health workers. Unit staff have also been active in speaking at major national drug conferences and as invited speakers at various forums.

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.

Centre for Research and Teaching in Civics

Director

Associate Professor Murray Print

Senior Research Associate

Dr Kathy Edwards

Administration Assistant

Ms Kate O'Malley

The Centre was established in 1997 to meet the rapidly growing demand for research and teaching in this area. It addresses both national and international issues in civics and citizenship education by undertaking major research projects. Since its inception staff at the CRTC have participated in many national and international projects in civics and citizenship education valued at \$3.25 million.

The Shakespeare Globe Centre

Director

Mr Hugh O'Keefe

The Shakespeare Globe Centre Australia is a charitable organisation dedicated to the support, promotion and development of Shakespearean arts and education in Australia and around the world, through a unique affiliation of national Globe Centres, including Shakespeare's Globe in London. The Centre believes in Shakespeare as a means to a greater end. Through exploration of the themes and ideas inherent in his works, understanding is gained that is applicable across the spectrum of performance, art, and life itself.

Teaching Resources and Textbook Research unit (TREAT)

Director

Mr Michael Horsley

This research unit investigates issues relating to textbooks and teaching resources, and educational publishing. TREAT conducts the annual National Australian Awards for Excellence in Educational Publishing and has a first-rate collection of recent educational textbooks. The unit's website contains details of these Awards and other events in Australian educational publishing (at alex.ed-fac.usyd.edu.au/TREAT/index.html).

The TREAT unit conducts research in educational publishing and is one of the leading units for this type of research. TREAT has strong links with the International Association for Research in Textbooks and Educational Media (IARTEM). Any one interested in discussing textbooks and teaching and learning resources should contact the Director of TREAT.

Course coordinators - Bachelor of Education

BEd(Primary)

Course Coordinator
Mr David Reid
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Course coordinators - Bachelor of Social Work

Social Work

Course Coordinator
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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 9.30 am to 2.30 pm).
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 SY/ftcy*: 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.

All postgraduate scholarships are advertised in the Bulletin Board which is available in departments or from the Scholarships Office in the Holme Building.

Scholarships and prizes in Education

Title	Value	Qualification
<i>Undergraduate</i>		
GS Caird Scholarships	\$650	Proficiency in the second year Bachelor of Education course
	\$650	Proficiency in the third year Bachelor of Education course
Headfordt School Prize	\$110 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)	\$150	Outstanding essay in courses Education II or Education III.

Marion Macaulay Bequest Up to \$ 15,000 (subject to A number of awards will be made each year. The award is to support an Arts or Education student whose studies in the area of humanities, and their later application to school teaching, 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.

Student facilities and societies

Libraries

The University of Sydney Library, consisting of Fisher Library and over 20 branch and department libraries, offers a wide range of services and collections to support teaching and research programs at undergraduate and postgraduate levels in the University. Resources supporting courses offered by the Faculty of Education and Social Work are located principally in Fisher Library and the specialist collection of the Curriculum Resources Collection (located in the Fisher Library).

All students with a current borrower's card are eligible to borrow from Fisher Library (both Undergraduate and Research libraries) as well as from any of the branch libraries.

Curriculum Resources Collection (Fisher Library)

The Curriculum Resources Collection is located in the Fisher Library. The collection contains curriculum resources to support the teacher education program of the Faculty of Education and Social Work.

The collection covers the years K-12 and includes: documents associated with the New South Wales school curriculum and examination process (e.g. publications of the New South Wales Board of Studies - syllabuses and related support documents, examination papers and related publications); policy documents; books; periodicals; audiovisual materials (e.g. teaching kits, videos, slides, posters, educational games); and other materials including teachers' guides, manuals and students' workbooks. The collection also includes children's literature and picture books.

Tutorials and classes can be arranged to assist in using the collection and the library's electronic resources.

Other branch libraries also include resources of relevance to teacher trainees and the New South Wales school curriculum, for example, Badham Library (food science), the Geography Library, and the Medical Library (sport physiology).

Contact Librarian: Ms Jacquei Hicks
Phone: +61 2 9351 6252
Fax: +612 93517766
Email: jhicks@library.usyd.edu.au.

Fisher Library

Fisher Library consists of two main collections, Research and Undergraduate.

The Undergraduate Collection includes multiple copies of titles for student course work at both undergraduate and postgraduate level. The Research Collection includes single copies of titles for research needs. The collection includes books and periodicals in the areas relating to research in Education, Social Work and Policy Studies.

The Curriculum Resources Collection is also located within Fisher Library. The collection on Level 1 of the Library supports teaching within the professional area of classroom practice from Kindergarten to year 12.

Fisher Reserve located on Level 2 of the Undergraduate Library is a short-loan collection intended to ensure the availability of library items in high demand. Reserve includes the following material:

- books - shelved in call number order
- electronic articles - available via the online catalogue
- private copies - kept behind the Special Reserve enquiries desk. You must ask for access to private copies.
- reading packs - Special Reserve only holds those reading packs provided to us by academic staff

The Library also provides access to many electronic resources including periodicals, books and databases. Most electronic resources can be accessed from within the Library and from off-campus locations. The Library website provides access to all Library services and information resources.

<http://www.library.usyd.edu.au>

Subject specific Library Guides are available for Education, Curriculum Studies and Social Work.

<http://www.library.usyd.edu.au/subjects/>

The Library catalogues MyLibrary option allows students to manage loans online. Options are available to place holds, check current loans, check for overdue item or fines, renew loans and pay fines online, <http://opac.library.usyd.edu.au/>

The Library Social Sciences Team provides support to students in the Faculty of Education and Social Work. Contact Librarians are:

Philippa Crosbie
University of Sydney Library
Phone: +61 2 9351 6940
Fax: +612 93517290
Email: p.crosbie@library.usyd.edu.au.

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Information on Library classes for students is available from the Library Information and Research Skills website: <http://www.library.usyd.edu.au/skills/socsci.html>

University of Sydney Education and Social Work Society

The Society aims to represent the interests of all students enrolled in education and social work in a variety of ways, including participation in the various committees of Faculty, the Academic Board and the Students' Representative Council and the University of Sydney Union.

Many resources are also available through the Society, including cheap photocopying, access to many computers, laser printer, laminator, binder and fax. There is also a women's room with facilities for babies, a microwave oven and free tea and coffee services. The "Dungeon" located in the Old Teachers' College Building provides a recreation room with pool table, pinball and vending machines for student use.

All students are urged to participate in the Society. Elections are held in September each year for representatives from each course. Also there are various portfolios which have nominated support committees.

Social functions are organised by Activities Officers, including barbecues, harbour cruises, and trivia nights, and all students are encouraged to attend.

The University of Sydney Education and Social Work Society Constitution and Regulations include:

- the promotion of a common meeting ground for teachers, graduates, and undergraduates in the Faculty of Education and Social Work.
- the promotion of the study of education and social work theory, research and practice across all fields of education and social work.
- furthering the interest of members and to represent their views, particularly in matters related to their education.
- promoting and maintaining cooperation between education and Social Work students and their societies throughout Australia and internationally.
- organising and promoting social, cultural and education activities amongst students.
- liaison with the Students' Representative Committee and the University of Sydney Union.

Membership of the Society is open to all undergraduate students currently enrolled in any degree offered within the Faculty of Education and Social Work and is staffed five days per week (Monday to Friday) by Council representatives and student volunteers who carry out all necessary duties on behalf of the Society. The Dean recommends that students join the Society and support its activities. Enquiries may be directed to the President, in Room 406/A35 in the new Education building, or:

Phone: +61 2 9351 6350

Fax: +61 2 9660 2585

Email: usyd-education-society@hotmail.com.

Summer/Winter School

Studying in the Sydney Summer/Winter School enables students to take units of study in order to:

- accelerate their degree progress
- make up for a failed unit, or
- fit in a unit which otherwise would not suit their timetables

New students may also gain a head start by completing requisite subjects before they commence their degrees.

Many of the students from the Faculty of Education and Social Work, take Summer School as a means of covering electives in order to focus on core units in Semester One and Two. Summer School is suitable for many Education students about to undertake a Master's of Teaching or Graduate Bachelor of Teaching needing to satisfy the subject specialist requirements of the NSW Department of Education and Training.

Most faculties at the University offer a broad range of units of study from degree programs during January/February in the Summer School and through July during the Winter School. Units of study run in intensive mode in the Summer and Winter Schools. As the University uses all of its HECS quota in first and second semester, these units are full-fee paying and entirely voluntary. Units start on 3 January and run for up to six weeks (followed by an examination week). Winter School will begin 3 July for three weeks.

Summer School Scholarships

The Sydney Summer School offers scholarships to local undergraduate students covering the full or partial tuition fee of a student's Summer School program. Applications for the Summer School Scholarship are made to the Sydney Summer School at the time of enrolment.

More information

For more information refer to individual faculty handbooks. A list of current units is usually circulated to students with their result notices. Also, refer to the Sydney Summer School website for more information on units of study on offer and on how to enrol.

Phone: +61 2 9351 5542

Fax: +61 2 9351 5888

Email: info@summer.usyd.edu.au

Web: www.summer.usyd.edu.au (<http://www.summer.usyd.edu.au>).

2. Introduction to Education Undergraduate Study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Bachelor of Education (Primary Education)

Course Coordinator:

Mr David Reid

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Email: d.reid@edfac.usyd.edu.au

The Bachelor of Education (Primary Education) is a four year, full-time degree course preparing students to work in primary schools and other contexts with young children (aged 5-12 years) in Years K-6.

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. Alongside these, units in generalist education and professional studies in primary education are undertaken in the Faculty of Education and Social Work.

Generalist education studies explore education as a social science and examine issues of policy and social theory. Studies in these areas continue through the first three years of the course. In the first year, students are also required to take two Science Foundations units, which gives students a grounding in the four major science areas of Physics, Chemistry, Biology and Geology. Professional learning, that is studying methods of teaching and including practice teaching, begins in the 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 the final year, students take one of a range of Special units offered within the Faculty. These include Special Education, Teaching English to Speakers of Other Languages (TESOL), Creative Arts, Languages Other Than English, Gifted and Talented Education, Cultural Literacies and Aboriginal Studies. Completion of one of these Special Courses is equivalent to a major study (third year or 300-level) and equips students with an additional teaching specialisation.

The Primary Program prepares graduates who have:

- a broad general 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 roles of teachers, and the purposes and functions of schooling;
- knowledge, attitudes and attributes required for the effective performance of the complex tasks and responsibilities of primary 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; and
- ability to analyse critically new professional and policy development.

Note

If you intend seeking 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). Students who have not met such requirements should consult the Course Coordinator. 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 1

- Two 100-level one-semester units of study in Education;
- Science Foundations I 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 & Learning Literacy (including 8 days practice teaching, and field experience with children in a non-school context).

Year 2

- 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 Language, Mathematics, Indigenous Education, Personal Development & Health/Physical Education, and Teaching & Curriculum, including Professional Experience (15 days).

Year 3

- 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 Language, Mathematics, Drama, Personal Development and Health/Physical Education, Science and Technology, Teaching English to Speakers of Other Languages (TESOL), and Teaching and Curriculum including Professional Experience (24 days)

Year 4

- Two 300-level one-semester units of study in Education (The unit of study "Reading and Designing Research" is compulsory);
- 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 +18 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, Cultural Literacies and Aboriginal Studies.

The degree is awarded at pass or honours level

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

Course Coordinator

Meg Pickup

Email: m.pickup@edfac.usyd.edu.au

The Bachelor of Education (Secondary - Human Movement and Health Education) is a four year full-time teacher education degree that prepares students to teach physical and health education, primarily within secondary school contexts although some opportunity 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 this degree students take two Education units which examine education, teachers and teaching, and human development and education; two science units: Human Bioscience and Sports Mechanics which give a grounding in biology and physics that will be built on in human movement and health education units in later years and any two other units selected from the faculties of Arts, Science, and Economics and Business. Students will also take three foundation units in human movement and health education.

In the second year, students will study five units of professional studies in human movement and health education. This includes microteaching and 15 days of School Experience in a primary school at the end of Semester two. Two units of education, one on educational psychology and the other on social perspectives will also be studied. Two units are also selected from the Faculties of Arts, Science, and Economics and Business, usually a continuation of units selected in Year 1.

In the third year, students will study eight units of professional studies in human movement and health education. Students also study two units of compulsory Education. In the fourth year, students will study six units of professional studies in human movement and health education. Students also study two units of education: one compulsory Reading and Designing Research, and one optional. In both Year 3 and Year 4, there are 20 days of School Experience in secondary schools.

The Human Movement and Health Education degree 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:

Year 1

- Two 100-level one-semester units of study in Education; and
- EDUH1016 Human Bioscience and EDUH 1017 Sports Mechanics; and
- Two Junior/First Year units of study chosen from those offered by the Faculty of Arts (e.g. History, English, Anthropology, Religious Studies, French, Arabic, Japanese, Philosophy), or the Faculty of Economics and Business, or the Faculty of Science; and
- Professional Studies in Human Movement and Health Education comprising:
 - EDUH 1001 Foundations of PDHPE,
 - EDUH 1002 Motor Skill Acquisition,
 - EDUH 1003 Practical Study in Physical Education 1

Year 2

- Two 200-level one-semester units of study in Education; and
- Two Senior (200-level) units of study offered by the Faculty of Arts or the Faculty of Economics and Business, or the Faculty of Science; and
- Professional Studies in Human Movement and Health Education, comprising:

- EDUH2027 Teaching & Learning in PDHPE 1
- EDUH2005 Determinants of Health
- EDUH2001 Applied Anatomy & Physiology
- EDUH2006 Practical Studies in Physical Education 2
- EDUH2028 School Experience 1

Year 3

- Two compulsory 300-level units of study in Education:
 - EDUF3031 Positive Approaches to Special Education
 - EDUF3023 Sports, Leisure & Youth Policy; and
- Professional Studies in Human Movement and Health Education, comprising:
 - EDUH3001 Practical Studies in Physical Education 3
 - EDUH3006 Teaching & Learning in PDHPE 2
 - EDUH3004 Psychosocial Health Issues
 - EDUH3014 Assessment and Evaluation in PDHPE
 - EDUH3038 Adolescent Health Issues
 - EDUH3027 Exercise Physiology
 - EDUH3002 Practical Studies in Physical Education 4
 - EDUH3003 School Experience 2

Year 4

- EDUH4048 Professional Experience in PDHPE 3 (6 cp)
- Education 3 option (6 cp)
- HMHE Option (6 cp)
- EDUH4049 Advanced Pedagogy in PE (6 cp)
- EDUH4050 Sports Medicine (6 cp)
- EDUH4051 Psychosocial Health Issues (6 cp)
- HMHE Option (6 cp)
- Reading and Designing Research (6 cp)

The degree is awarded at pass or honours level.

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

Course Coordinator

Dr Michael Aanderson

Phone+61 2 9351 7810

Fax: +612 93514580

Email:m.anderson@edfac.usyd.edu.au

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
- Teaching English to Speakers of Other Languages (TESOL)
- Geography*
- Economics*

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.

Honours units begin in Year 4 (see separate entry at the end of this section).

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

Year 1

- 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 2

- 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 3

- Teaching and Learning units of study (6 credit points); and
- Curriculum and Professional Studies units of study (30 credit points); and
- Two Senior one-semester units of study from those offered in Table A, Faculty of Arts in the major area of study (12 credit points).

Year 4

- Two 300-level units of study in Education (12 credit points); and
- Curriculum and Professional Studies units of study (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two Senior one-semester units of study from those offered by Table A, Faculty of Arts to complete major area of study (12 credit points).

Year 5

- 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 or honours level.

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

Course Coordinator

Dr Michael Anderson

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Email: m.anderson@edfac.usyd.edu.au*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 1 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 I and II 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 Education and Social Work and a copy to the Faculty of Science.

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 1

- 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 2

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

Year 3

- Teaching and learning units of study (6 credit points); and
- Curriculum and Professional Studies units of study (30 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science in the major area of study (12 credit points).

Year 4

- Two 300-level units of study in Education (12 credit points); and
- Curriculum and Professional Studies units of study (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science in the major area of study (12 credit points).

Year 5

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

The degree is awarded at pass or honours level.

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

Course Coordinator

Dr Michael Anderson

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Fax: +612 93514580

Email: a.anderson@edfac.usyd.edu.au

Mathematics Curriculum Coordinator

Dr Judy Anderson
Phone: +61 2 9351 6264
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Email: j.anderson@edfac.usyd.edu.au

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

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 1

- 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 2

- Three Senior-level units of study in Education (18 credit points); and
- Teaching and Learning units 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 3

- Teaching and Learning units of study (6 credit points); and
- Curriculum and Professional Studies units of Study (30 credit points); and
- 300-level one-semester units of mathematics or statistics (12 credit points).

Year 4

- Two 300-level units of study in Education (12 credit points); and
- Curriculum and Professional Studies units of study (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Two 300-level one-semester units of mathematics or statistics (12 credit points).

Year 5

- Curriculum and Professional Studies in Education (24 credit points); and
- Intermediate or Senior units of study to complete requirements for the Bachelor of Science (24 credit points).

The degree is awarded at pass or honours level.

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

Course Coordinator

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Fax: +612 93512606
Email: s.colmar@edfac.usyd.edu.au

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

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

Students study Arts or 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 provision for professional experience in teaching 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, gaining an Honours degree in Psychology as well as specialist studies in Educational Psychology and School Counselling. The major in Arts or Science is also completed in the fifth year.

Year 1

- Psychology 1001 and Psychology 1002
- Education 1018 and Education 1019
- Arts or Science (Physics or Chemistry or Mathematics)

Year 2

- Psychology 2012, 2011, 2013 (18 credit points)
- Education Units (18 credit points)
- Science units (major subject) (12 credit points)
- or
- Arts units (teaching subject) (18 credit points)

Year 3

- EDSP3002 Teaching and Learning (Psychology) (4 credit points)
- PSYC3015 Intelligence and Human Reasoning (6 credit points)
- PSYC3016 Development Psychology (6 credit points)
- Curriculum units 1 + 2 (12 credit points)
- EDSP3001 Teaching Practicum 1 (2 credit points)
- PSYC3010 Advanced Statistics for Psychology (6 credit points)
- EDSP3018 Abnormal Psychology (6 credit points)
- PSYC3019 Communication and Counselling (6 credit points)

Year 4

- Psychology 4 (24 credit points)
- Psych Education Assessment (6 credit points)
- Behaviour Assessment and Interventions (6 credit points)
- Curriculum Unit 3 (6 credit points)
- Counselling Practicum 2 (20 days) (2 credit points)
- Teaching Practicum 2 (20 days) (4 credit points)

Year 5

- 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) or Senior Arts units

- Counselling Practicum 3 (20 days) (2 credit points)
- Counselling Practicum 4 (20 days) (4 credit points)

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

Course Coordinator

Dr Susan Colmar

Phone: +61 2 9351 6265

Fax: +612 93512606

Email: s.colmar@edfac.usyd.edu.au

This program prepares graduates who will qualify as school counsellor (able to be conditionally registered as Psychologists) as well as teachers in secondary schools, either in a specified Science discipline area (Physics, Chemistry or Mathematics), or a Humanities area (such as English or History).

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

Students study Arts or 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 provision for professional experience in teaching 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, gaining an Honours degree in Psychology as well as specialist studies in Educational Psychology and School Counselling. The major in Arts or Science is also completed in the fifth year.

Year 1

- Psychology 1001 and Psychology 1002
- Education 1018 and Education 1019
- Arts or Science (Physics or Chemistry or Mathematics)

Year 2

- Psychology 2012, 2011, 2013 (18 credit points)
- Education Units (18 credit points)
- Science units (major subject) (12 credit points) or
- Arts units (teaching subject) (18 credit points)

Year 3

- EDSP3002 Teaching and Learning (Psychology) (4 credit points)
- PSYC3015 Intelligence and Human Reasoning (6 credit points)
- PSYC3016 Development Psychology (6 credit points)
- Curriculum units 1 + 2 (12 credit points)
- EDSP3001 Teaching Practicum 1 (2 credit points)
- PSYC3010 Advanced Statistics for Psychology (6 credit points)
- EDSP3018 Abnormal Psychology (6 credit points)
- PSYC3019 Communication and Counselling (6 credit points)

Year 4

- Psychology 4 (24 credit points)
- Psych Education Assessment (6 credit points)
- Behaviour Assessment and Interventions (6 credit points)
- Curriculum Unit 3 (6 credit points)
- Counselling Practicum 2 (20 days) (2 credit points)
- Teaching Practicum 2 (20 days) (4 credit points)

Year 5

- 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) or Senior Arts units
- Counselling Practicum 3 (20 days) (2 credit points)
- Counselling Practicum 4 (20 days) (4 credit points)

Bachelor of Education (Secondary: Aboriginal Studies)

For further information about this Block Mode program please contact:

Academic Coordinator

Dr Wendy Brady

The Koori Centre

Phone: +61 2 9351 6995

Fax: +612 93516923

Email: wwendy@koori.usyd.edu.au

The Faculty of Education and Social Work may admit to candidature for the Bachelor of Education (Secondary: Aboriginal Studies) degree an Aboriginal or Torres Strait Islander person 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 program. This program is designed specifically for Indigenous people. Units of study provide for on campus blocks of study for one week in Sydney six times a year.

Bachelor of Education (Secondary: Design and Technology)

Course Coordinator

Dr Lesley Scanlon

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Fax: +612 93514580

Email: lscanlon@edfac.usyd.edu.au

There will be no student intake into this degree from 2006. Units of study in third and fourth year will continue to be offered to enable current students to complete the degree.

The schedule of studies for Years 3 - 4 of the degree is as follows:

Year 3

- Design Fundamentals 2A/2B - applied studies through TAFE
- Education II - EDUF 2006 and EDUF 2007
- Teaching Technology IIA/IIB
- Professional Experience A (40 days)

Year 4

- Education III - EDUF 3021 (Special Education) plus another unit of study at 300 level
- Teaching and Learning 2 (DantT)
- Teaching Technology (VET): Hospitality or Information Technology
- Food Science 3 & 4 OR Software Design and Development 1 & 2
- Teaching Technology IIIA/IIIB
- Professional Experience B (40 days)
- Graduating Design Project.

Program approved by the Faculty of Education & Social Work.

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

Education Honours will be awarded on Weighted Average Marks (WAM) in Education Units of study, years 2, 3 and 4:

- 80-100 Honours Class I
- 75-79 Honours Class Hi
- 70-74 Honours Class Iii

WAM will be calculated in the following manner: Year 1 units will not be counted; Year 2 Education units will be weighted 1; Years 3 and 4 Education units will be weighted 2 except for EDUF4044 Reading and Designing Research which will be weighted 3. Units awarded "R", e.g. Practicum, will not be counted.

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 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 and III 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.

Consequently the Education stream has an important relationship to the social sciences and humanities. Units of study in Education I, II and III 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 and III 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 and III develop from general understandings in first year to more specialised understandings in second and third year. 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 and III 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 enquiry.

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

Knowledge

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

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Bachelor of Arts/Bachelor of Social Work Degrees

Course Coordinator:

Dr Lesley Laing

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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, public welfare, family and child welfare and community work.

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 aims for students to learn knowledge and skills in theory analysis and development, in research and in debates about 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. In 2006, the IBLs will be illness, inequality and intervention (IBL 1); Social justice, social citizenship and social work (IBL 2); Violence in Families (IBL 3); and Ageing (IBL 4).

The field education program provides a practice context for this learning. In the field education component of the program the starting point for learning is the daily routine. This routine requires social workers to use theory and research and to act consistently with regard to professional values and ethics. 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 a broad preparation for:

- 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 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;
- 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 possible schedule of studies for the five years of the degree follows:

Year 1

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 2

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 3

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 4

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 5

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:

Dr Lesley Laing

Phone: +612 93514091

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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, public welfare, family and child welfare and community work.

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 aims for students to learn knowledge and skills in theory analysis and development, in research and in debates about 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. In 2006, the IBLs will be illness, inequality and intervention (IBL 1); Social justice, social citizenship and social work (IBL 2); Violence in Families (IBL 3); and Ageing (IBL 4).

The field education program provides a practice context for this learning. In the field education component of the program the starting point for learning is the daily routine. This routine requires social workers to use theory and research and to act consistently with regard to professional values and ethics. 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 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 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;
- 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 1

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 2

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. (Credit may be given for units of study taken at other institutions.)

Year 3

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 4

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 4

Honours

Honours are awarded on the basis of achievement in the third and fourth years.

Units of study

Year 1

SCLG 1001 Introduction to Sociology 1

6 credit points. B A, B A, B S W, B Ec (Soc Sc), B Int S, B S W, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School. Dr. Catriona Elder. **Session:** Semester 1. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one 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, multiculturalism and Indigeneity.

Textbooks

Readings will be available.

SCLG 1002 Introduction to Sociology 2

6 credit points. B A, B A, B S W, B Ec (Soc Sc), B Int S, B S W, Dip Soc Sc, UG Study Abroad Program. Dr Catriona Elder. **Session:** Semester 2. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one 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.

Year 2

SCWK 2004 Psychology for Social Work 201

6 credit points. B A, B S W, B S W, UG Study Abroad Program. Ms O'Hara. **Session:** Semester 1. **Classes:** 2 lectures + 1 tutorial/week. **Prerequisites:** 48 junior credit points. **Prohibitions:** PSYC2111-2114, 2011-2014. **Assessment:** one 1500 word tutorial process diary, one 2 hr exam, online tutorial participation.

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. This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.

SCPL 2601 Australian Social Policy

6 credit points. B A, B S W, Dip Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 1 hr of lecture and 2 hrs of tutorial. **Prerequisites:** SCLG1001 & SCLG1002. **Prohibitions:** SCPL3001. **Assessment:** 1,500 words essay (30%), 1,000 words tutorial paper and presentation (30%) and 2 hours of examination (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

Readings will be available.

KOCR 2600 Indigenous Australia: An Introduction

6 credit points. B A, B S W, UG Study Abroad Program, UG Summer/Winter School. Ms Blanchard. **Session:** Semester 1, Semester 2, Summer. **Classes:** 2 lec & 1 x 1hr tut/wk. **Prerequisites:** 18 Junior credit points. **Prohibitions:** KOCR2100. **Assessment:** Seminar, journal, essay.

The unit will focus on Aboriginal life since colonisation. It will address issues of the construction of race, impact of colonisation and Aboriginal resistance. The focus will also include the effects of legislation, government policies and social movements. The relationship to land, spirituality and systems of belief form the foundations of this unit. The structure of Aboriginal societies, cultural practices and maintenance stand beside issues of ownership of knowledge as well as consideration of the lived experience of Indigenous Australians in the political context.

A number of Aboriginal speakers will present during the semester. Films will also be shown on specific topics.

SCWK 2005 Psychology for Social Work 202

6 credit points. B A, B S W, B S W, UG Study Abroad Program. Ms O'Hara. **Session:** Semester 2. **Classes:** 2 lectures + 1 tutorial/week. **Prerequisites:** 48 junior credit points. **Prohibitions:** PSYC2111-2114, 2011-2014. **Assessment:** Assessment: one 1500 word tutorial process diary, one 2 hr exam, online tutorial participation.

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, drug & alcohol addiction, gambling, living with mental illness, diverse families and grief. This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.

SCLG 2602 Social Inquiry: Research Methods

6 credit points. B A, B Ec (Soc Sc), BSW, Dip Soc Sc, UG Study Abroad Program. Dr Fran Collyer. **Session:** Semester 2. **Classes:** 2 hours of lecture and 1 hour of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002 or SCWK2003. **Prohibitions:** SCLG2002 and SCLG2521. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

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

Course pack will be available through Copy Centre

Year 3

SCWK 3006 Issue Based Learning Unit 1

8 credit points. BSW, UG Study Abroad Program. Dr Lindsey Napier. **Session:** Semester 1. **Classes:** 5 hrs/wk. **Prerequisites:** 96 Credit points to include 8 Senior credit points of Sociology or SCWK2003, SCLG2521; Either SCWK2001 and SCWK2002 or 12 intermediate Psychology credit points. **Corequisites:** SCWK3007, SCWK3008. **Assessment:** Poster and group presentation (30%), essay (30%), 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.

SCWK 3007 Issue Based Learning Unit 2

8 credit points. BSW, UG Study Abroad Program. Dr Ruth Phillips. **Session:** Semester 1. **Classes:** 5 hrs/wk. **Prerequisites:** 96 Credit points to include 8 Senior credit points of Sociology or SCWK2003, SCLG2521; Either SCWK2001 and SCWK2002 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.

SCWK 3008 Professional Practice

8 credit points. BSW, UG Study Abroad Program. Ms Denise Lynch. **Session:** Semester 1. **Classes:** 5 hrs/wk. **Prerequisites:** 96 Credit points to include 8 Senior credit points of Sociology or SCWK2003, SCLG2521; Either SCWK2001 and SCWK2002 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.

SCWK 3005 Field Education 1

24 credit points. BSW. A/Prof Jude Irwin. **Session:** Semester 2. **Classes:** 2 hrs/wk. **Prerequisites:** SCWK 3006, 3007, 3008. **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,

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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.

Year 4

SCWK 4002 Integrative Studies 402

6 credit points. B S W. Dr Zita Weber. **Session:** Semester 2b. **Classes:** 12 hrs/wk. **Corequisites:** SCWK 4004, SCWK 4006. **Assessment:** Critical reflection on learning outcomes (30%), policy submission (70%).

This is the final unit of study in the Bachelor of Social Work program and is of four weeks' duration. It has two key objectives: 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 BSW; and through guest presentations and practical exercises in small groups, students further develop knowledge and skills in applying for employment in the human services.

SCWK 4003 Issue Based Learning Unit 3

9 credit points. BSW. Dr Lesley Laing. **Session:** Semester 1a. **Classes:** 12 hours/week (seminars and lectures). **Prerequisites:** SCWK3005. **Assessment:** Article review (15%), essay (45%), group development and presentation of a research proposal (40%). This unit is the third of a sequence of four context-based 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 & II B.

SCWK 4004 Issue Based Learning Unit 4

9 credit points. B S W. Dr Margot Rawsthorne. **Session:** Semester 2a. **Classes:** 12 hours/week (seminars and lectures). **Corequisites:** SCWK 4002, SCWK 4006. **Assessment:** Critical article review (30%), group project and presentation (40%), critical reflection on learning outcomes (30%).

This unit is the fourth of a sequence of four context-based 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.

SCWK 4005 Field Education 2A

15 credit points. B S W. Dr Fran Waugh. **Session:** Semester 1b. **Classes:** 2 hours/fortnight. **Corequisites:** SCWK 4003. **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. .

SCWK 4006 Field Education 2B

9 credit points. B S W. Dr Fran Waugh. **Session:** Semester 2a. **Classes:** 2 hours/fortnight. **Prerequisites:** SCWK 4005. **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

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Year 1							
SCLG 1001	Introduction to Sociology 1	6					Semester 1
SCLG 1002	Introduction to Sociology 2	6					Semester 2
Year 2							
SCWK 2004	Psychology for Social Work 201	6	P 48 junior credit points. N PSYC2111-2114, 2011-2014				Semester 1
SCPL 2601	Australian Social Policy	6	P SCLG1001 & SCLG 1002 N SCPL3001				Semester 1
KOCR 2600	Indigenous Australia: An Introduction	6	P 18 Junior credit points NKOCR2100				Semester 1, Semester 2, Summer
SCWK 2005	Psychology for Social Work 202	6	P 48 junior credit points. N PSYC2111-2114, 2011-2014				Semester 2
SCLG 2602	Social Inquiry: Research Methods	6	P SCLG 1001 and SCLG 1002 or SCWK2003 N SCLG2002 and SCLG2521				Semester 2
Year 3							
SCWK 3006	Issue Based Learning Unit 1	8	P 96 Credit points to include 8 Senior credit points of Sociology or SCWK2003, SCLG2521; Either SCWK2001 and SCWK2002 or 12 intermediate Psychology credit points. C SCWK3007, SCWK3008				Semester 1
SCWK 3007	Issue Based Learning Unit 2	8	P 96 Credit points to include 8 Senior credit points of Sociology or SCWK2003, SCLG2521; Either SCWK2001 and SCWK2002 or 12 intermediate Psychology credit points. C SCWK3006, SCWK3008				Semester 1
SCWK 3008	Professional Practice	8	P 96 Credit points to include 8 Senior credit points of Sociology or SCWK2003, SCLG2521; Either SCWK2001 and SCWK2002 or 12 intermediate Psychology credit points. C SCWK3006, SCWK3007				Semester 1
SCWK 3005	Field Education 1	24	P SCWK 3006, 3007, 3008				Semester 2
Year 4							
SCWK 4002	Integrative Studies 402	6	C SCWK 4004, SCWK 4006				Semester 2b
SCWK 4003	Issue Based Learning Unit 3	9	P SCWK3005				Semester 1a
SCWK 4004	Issue Based Learning Unit 4	9	C SCWK 4002, SCWK 4006				Semester 2a
SCWK 4005	Field Education 2A	15	C SCWK 4003				Semester 1b
SCWK 4006	Field Education 2B	9	P SCWK 4005				Semester 2a

4. Education units of study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Units of study descriptions

Education 1 (All Education Students)

EDUF 1018 Education, Teachers and Teaching

6 credit points. B A, B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, B S T, UG Study Abroad Program. Dr Lesley Scanlon. **Session:** Semester 1. **Prohibitions:** EDUF 1011. **Assessment:** Workshop presentation, academic writing competency exercise, reflective journal, 1500w essay and examination (1.5 hrs).

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. Voluntary workshops on academic writing are provided for students. At the conclusion of the unit students should have developed and demonstrated an understanding of the complex character of teachers' work.

EDUF 1019 Human Development and Education

6 credit points. B A, B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, B S T, UG Study Abroad Program. Dr Stephen Juan. **Session:** Semester 2. **Prohibitions:** EDUF 1012. **Assessment:** Seminar presentation, 2000w essay, examination 2 hr.

This Unit of Study is the second part of Education I. Education 1019 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, 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)

EDUF 1016 Science Foundations 1

6 credit points. B Ed, B Ed (Primary), UG Study Abroad Program. 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-hr lectures and a 2-hr workshop session per wk. An all-day (6hr) compulsory field activity will be held on each day of one weekend (students will be assigned to either excursion day) during the semester, at a date to be announced. **Prohibitions:** EDUF 1014. **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 BEd 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 cur-

riculum 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

There will be no recommended textbooks for this unit of study. Printed workshop notes will be prepared for each unit of study. Students should purchase Volume 1 from the University Copy Centre prior to the commencement of lectures.

EDUF 1017 Science Foundations 2

6 credit points. B Ed, B Ed (Primary), UG Study Abroad Program. Dr Armstrong Osborne. **Session:** Semester 2. **Classes:** Consists of an introductory week followed by two 4-wk modules, one on The Earth and its Surroundings and the other on Physical Phenomena. Each module consists of two 1-hr lectures and a 2-hr workshop session per wk. An all-day (6 hr) compulsory field activity will be held on each day of one weekend (students will be assigned to either excursion day) during the semester, at a date to be announced. **Prerequisites:** EDUF 1016 Science Foundations 1. **Prohibitions:** EDUF 1015. **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 BEd 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

There will be no recommended textbooks for this unit of study. Printed notes will be prepared for each unit of study. Students should purchase Volume 3 from the University Copy Centre prior to the commencement of lectures.

Education 2 (All Education Students)

EDUF 2006 Educational Psychology

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. Dr Richard Walker. **Session:** Semester 1. **Prerequisites:** EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points. **Assessment:** Tutorial presentations (oral & written), 2000 word essay, examination 2hrs.

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.

EDUF 2007 Social Perspectives on Education

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, UG Study Abroad Program. Dr Nigel Bagnall. **Session:** Semester 2. **Prerequisites:** EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points. **Assessment:** Workshop presentations, 1,000-word literature review, 4,000-word joint research project, examination 1hr.

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,

4. Education units of study

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 Options

(All Education Students - Compulsory Units)

EDUF 3031 Positive Approaches to Special Education

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych). A/Professor David Evans. **Session:** Semester 1b, Semester 2a, Semester 2b. **Prerequisites:** 42 credit points. **Assessment:** Fieldwork report (1 000w), tutorial presentation, essay (1500 w), behaviour management Plan (1500 w).

This unit addresses issues relating to the education of students with special education needs. They include the impact of current legislation, evidence based approaches to curriculum, teaching and learning practices for students with special education needs. A specific focus is given to managing challenging behaviours of students in a range of settings.

EDUF 4044 Reading and Designing Research

6 credit points. B Ed, B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc. A/Prof Gerard Sullivan. **Session:** Semester 1, Semester 2. **Prerequisites:** 120 credit points including (EDUF2005 or EDUF2006) and (EDUF2002 or EDUF2007). **Assessment:** Weekly exercises and final assignment.

This unit provides an overview of the research process, with a focus on critical evaluation of research reports and the design of research projects. The unit covers a wide range of research perspectives and techniques. The unit begins with a brief consideration of epistemology, emphasizing scientific and interpretive paradigms, and it will emphasize the links between theory, investigation and evidence. Research in education and social work relies on a range of perspectives and techniques used in the foundational disciplines of the humanities, social sciences and arts, which are considered throughout the unit. Basic research design issues are considered and various methods of data collection are examined in this unit, together with their suitability for investigating different types of research questions. Students explore the use of quantitative and qualitative data; longitudinal and cross-sectional designs; and data resulting from studies using experimental, interview, observation, single case and survey research methods, in addition to content analysis, secondary data analysis and arts-informed inquiry. Emphasis is placed on methods of assessing research quality, including validity and reliability of data collection techniques. Basic techniques for summarizing data are introduced, as are applications such as action research, evaluation research and evidence-based professional practice.

Education 3 Options (All Education Students - Options)

EDUF 3023 Sports, Leisure and Youth

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Tim Allender. **Session:** Semester 1. **Prerequisites:** 42 credit points. **Assessment:** Tutorial presentation, a tutorial paper (750-1,000w), one extended essay (2,000w) one 2 hr exam.

This unit of study will deal with the way society has constructed identity over time in relation to sporting and leisure activities. It will also examine the evolution and motivations that have encouraged attempts to develop 'Youth Policy' in the West in the twentieth-century. Phenomena such as 'athleticism' in the Victorian Age and sports education in Australia will be examined; as well as the Olympic Games in the Ancient and Modern world, sport in the British Empire, and American sporting traditions. There will be a special focus on the history of sport and the development of physical education in Australia. The unit endeavours to place an emphasis on new theories that have emerged in this active research field over the past five years. These include how youth, sport and leisure have been socially constructed over time and how each relates to class, gender, ethnicity and age. Also to be explored is how youth, sport and leisure have been associated with specific educational aims and particular institutions and organisations. Changing images of sportsmen and women and what this signifies about social attitudes will be examined. Postmodern approaches are also considered such as the reconfiguration of the work/leisure dichotomy, transformations of the age cycle,

youth as an ageless phenomenon, and youth movements as reactions against adolescent sexuality.

EDUF 3024 Adolescent Development

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Laurel Bornholt. **Session:** Semester 2. **Prerequisites:** 42 credit points and EDUF1019. **Assessment:** Tutorial presentation and paper on one of the focus topics (2,000 words), tutorial exercise on analytical skills (2 hours), examination on trends and pathways in adolescent development (2 hours).

The unit of study is about 'adulthood' as a transition from a child to a young adult - within a lifespan approach to psychological development. Students will examine general trends over time and the many developmental pathways for young Australians in the context of schools, families and communities. The main aims are to outline and discuss current issues for Australian adolescents, to add to knowledge about adolescent development in diverse social contexts, and to build skills used to analyse the research ideas and evidence.

EDUF 3026 Global Poverty and Education

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. A/Prof. Phillip Jones. **Session:** Semester 1. **Prerequisites:** 42 credit points. **Assessment:** One 1hr exam, one 2500w essay, one 1250w workshop paper, one 750w 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.

EDUF 3027 International Education

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Nigel Bagnall. **Session:** Semester 2. **Prerequisites:** 42 credit points. **Assessment:** 1 hr 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, 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, the United States and Japan. 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.

EDUF 3028 Mentoring in Educational Contexts

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Lesley Scanlon. **Session:** Semester 1. **Prerequisites:** 42 credit points. **Assessment:** seminar presentation & written summary 20%; reflective journal 40% and essay 40%.

It is increasing 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. Students have the opportunity to engage directly in mentoring through

the facilitation of on-going mentor relationships in an approved mentoring programme while studying this unit of study.

EDUF 3029 Psychology of Learning and Teaching

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Richard Walker. **Session:** Semester 2. **Prerequisites:** 42 credit points and EDUF 2006. **Assessment:** 2000w essay (35%), collaboratively written tutorial paper 2,500w (20%), individual oral tutorial presentation (15%), 2 hr 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:

- (i) The self-system, learning and achievement,
- (ii) Collaborative learning: Cognitive and motivational factors,
- (iii) Information processing and the design of instruction,
- (iv) Learning from text, illustrations and multimedia

Each of these themes is defined by a central question (eg. 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 (eg. primary, secondary), demonstrate the skills involved in collaborative and self-directed learning, and demonstrate competence in oral and written communication skills.

EDUF 3030 Australian Secondary Schooling

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Craig Campbell. **Session:** Semester 1. **Prerequisites:** 42 credit points. **Assessment:** Class work, essay (2000w), collaborative assignment (presentation & 1500w), exam(1hr).

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 collaborative assignment program encourages students to work on the experience and history of particular schools in which they may be interested.

EDUF 3032 Curriculum and Evaluation

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. A/Professor Robyn Ewing. **Session:** Semester 2. **Prerequisites:** 42 credit points. **Assessment:** Seminar presentation (30%) and related paper on a curriculum phenomenon (40%), reflective writing on the nature of curriculum and evaluation or critique of recent article (30%).

The aim of this unit is to allow students to investigate their understandings of curriculum and other related phenomena, both theoretically and with application to current issues, resources and materials. Content includes: the nature and organisation of the curriculum, curriculum ideas: their history, curriculum as storylines, curriculum stakeholders and ideology, curriculum construction and deconstruction, and curriculum as social construct

EDUF 3033 Problems of Knowledge and Ethics

6 credit points. B A, B Ec (Soc Sc), B Ed, B Ed (H M H E), B Ed (Primary), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Dr Jim Mackenzie. **Session:** Semester 1. **Prerequisites:** 42 credit points. **Assessment:** 3hr exam, seminar presentation, and classwork. The assessment tasks will be designed to extend student skills in foundational knowledge, literacy, critical thinking, and knowledge.

This unit will aim to develop in students a number of attributes which derive from studying contemporary issues in ethics and in epistemology, as these relate to education. The topics covered will require participants to enter into the debates about ethical and epistemological issues and to locate their discussion and analysis within philosophical traditions and practical educational contexts. Topics may include the teaching of ethical reasoning and public moral language in a multicultural society, school discipline, friendship and professional relationships, autonomy, moral development, religious education, political education, bias, the sources or bases of knowledge,

differences between kinds of knowledge, and the institutionalization of knowledge in educational institutions.

Education 3 (International Students Only)

EDUF 3034 Australian Theatre, Film and Learning

6 credit points. UG Study Abroad Program. Dr John Hughes, Dr Michael Anderson. **Session:** Semester 1, Semester 2. **Classes:** 10hrs lectures, 10 hrs seminars, 4 field trips. **Assessment:** Journal (2000 words), On line discussion (1000 words), Essay (1500 words).

NB: Available to Study Abroad students only.

This unit of study will examine the nature of theatre and film in Australian cultural and educational settings. A particular focus will be placed on theatre and film for and by young people, and the range of learnings that take place through young people's engagement in, and appreciation of, theatre and film. In addition, the role and nature of Australian film and theatre will be placed within an international context so that students can examine the international forces influencing Australian culture. 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.

Secondary: Combined Degrees (BEd/BA, BEd(Maths)/BSc, BEd(Sc)/BSc)

Year 2 Professional Studies (Compulsory Units)

EDSE 2001 Craft Knowledge and Prof Practices 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Dr Michael Anderson. **Session:** Semester 1a. **Classes:** 6hrs/wk for 6 weeks (36 hrs). **Prerequisites:** 42 Credit Points including 12 Credit Points of Education. **Assessment:** Written reflections on visits to Educational Institutions 1500w (30%), Web-site discussion room postings 1500w (30%), 2500w assignment (40%).

Professional practices and craft knowledge cannot be developed simply by mastering teaching skills and strategies. They are part of embodied knowledge, learned through an inductive process including observation, participation and mentoring. There are a range of practices used by teachers who are recognised as outstanding in their field. This unit seeks to identify such practices and assist students to adapt them for their own teaching study. The unit of study aims to not only promote the learning of essential skills but to also facilitate students' initiation into professional practices.

Year 3 Professional Studies (Compulsory Units)

EDSE 2001 Craft Knowledge and Prof Practices 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Dr Michael Anderson. **Session:** Semester 1a. **Classes:** 6hrs/wk for 6 weeks (36 hrs). **Prerequisites:** 42 Credit Points including 12 Credit Points of Education. **Assessment:** Written reflections on visits to Educational Institutions 1500w (30%), Web-site discussion room postings 1500w (30%), 2500w assignment (40%).

Professional practices and craft knowledge cannot be developed simply by mastering teaching skills and strategies. They are part of embodied knowledge, learned through an inductive process including observation, participation and mentoring. There are a range of practices used by teachers who are recognised as outstanding in their field. This unit seeks to identify such practices and assist students to adapt them for their own teaching study. The unit of study aims to not only promote the learning of essential skills but to also facilitate students' initiation into professional practices.

EDSE 3055 Professional Experience 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Marianne Hulsbosch. **Session:** Semester 1b. **Prerequisites:** 48 Credit Points including 18 Credit Points of Education. **Assessment:** Evaluation will be through completion of a satisfactory practicum, assessed according to criteria set out in the Practicum Report.

This unit will include a range of professional experiences in schools and other learning contexts e.g. observing; acting as a teacher's aide; teaching in a classroom; and participating in wider school and community activities

Year 3 Curriculum Units

EDSE 3037 Teaching Visual Arts 1A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B

4. Education units of study

A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Marianne Hulsbosch. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit points of Education + 16 senior credit pts of Art History and Theory. **Corequisites:** Practical art course taken at The Tin Sheds. **Assessment:** Reflective essay, practical projects.

NB: Department permission required for enrolment.

This unit will introduce the nature and scope of Visual Art Education within NSW. 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 NSW Visual Art Syllabus (7-10). Authentic, practical activities will be utilised to contextualise and ground art education processes. Students will be introduced to organising, planning and managing teaching experiences including writing lesson plans for the junior secondary school.

EDSE 3038 Teaching Visual Arts IB

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Marianne Hulsbosch. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit points of Education & 16 senior credit pts of Art History and Theory. **Corequisites:** Practical art course taken at The Tin Sheds. **Assessment:** Critical review of literature, Reflective essay, Class presentations, Practical projects.

This unit will firstly examine the nature and scope of Visual Art Education within NSW. This unit will critically analyse and evaluate 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 NSW Visual Art syllabus (7-10). Authentic, practical activities will be utilised to contextualise and ground art education processes. Students will be introduced to organising, planning and managing teaching experiences including programming Units of Work for Stages 4 and 5.

EDSE 3056 Teaching Visual Arts 2A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Marianne Hulsbosch. **Session:** Semester 2. **Prerequisites:** EDSE3037 Teaching Visual Arts 1A and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans, In-school observation report.

NB: Department permission required for enrolment.

This unit will closely examine the nature and scope of Visual Art Education within. 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 NSW Visual Art Policy Documentation. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences for Stages 4 and 5.

EDSE 3057 Teaching Visual Arts 2B

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Marianne Hulsbosch. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hrs). **Prerequisites:** EDSE3037 Teaching Visual Arts 1A & EDSE3038 Teaching Visual Arts IB and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans (2000 words), In-school observation report (1500 words), Student evaluation program (2000 words), Practical projects.

NB: Department permission required for enrolment.

This unit will closely examine the nature and scope of Visual Art Education within Australia. 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 NSW Visual Art Policy Documentation. Authentic, practical activities will be utilised to contextualise and ground student art appreciation and evaluation processes. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences, writing Units of Work for the junior secondary school.

EDSE 3040 Teaching History 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Carmel Fahey, Dr Tim Allender. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 16 Senior credit pts of History. **Assessment:** Task 1- What is history? - 50%, Task 2- Questioning in history - 50%.

Module A: This module 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.

Module B: This module presents a common core for all history and social education students covering generic HSIE teaching skills and understandings for incorporating cross curriculum content into all the subjects in the HSIE key learning area.

EDSE 3058 Teaching History 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Carmel Fahey. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hours). **Prerequisites:** EDSE3040 Teaching History 1 + 16 senior credit points of History. **Assessment:** Assessment will be based on two pieces of work. The first assessment task requires students to collaboratively develop teaching and learning strategies around a particular approach to history teaching and learning, Weighting 50% (2250 words)

The second requires students to critique and modify a set of lesson plans to incorporate differing learning styles, literacy development, ICT and an appropriate assessment task, Weighting 50% (2250).

This Unit of Study aims to prepare History /HSIE students to acquire the knowledge, skills and understandings necessary to implement current Board of Studies Stages 4 and 5 History and HSIE syllabuses. The unit focuses specifically on developing a range of approaches to history teaching and learning, and on developing literacy and numeracy strategies for teaching across age and ability groups. An applied approach to ICT in History and HSIE classrooms is emphasised throughout.

EDSE 3041 Teaching Geography 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Mike Horsley. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 12 Intermediate credit pts of Geography. **Assessment:** Students will develop a unit overview, lesson plans (including one based upon a website), and student assessment program.

This module aims to assist students to become confident, enthusiastic and competent teachers of geography in Years 7 to 10. Initially students will investigate the history of geography as a discipline and how it came to have a key place in the junior secondary school curriculum. The core concepts of geography will be studied with an emphasis placed on how each concept can be taught to 12 to 16 year olds. Approaches to lesson and program planning will be developed through reference to the current NSW Board of Studies Geography Syllabus Stages 4-5. Special attention will be given to developing an assessment program to determine student achievement of the syllabus outcomes.

EDSE 3059 Teaching Geography 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Michael Horsley. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hrs). **Prerequisites:** EDSE3041 Teaching Geography 1 + 12 intermediate credit point of geography. **Assessment:** Assessment consists of three tasks: a 2000 word fieldwork planning task (40%); a 600 word skills based presentation (10%); and a 3400 word modification of an existing lessons and program that incorporates cross curriculum content (50%).

The two modules of Geography 2 and Human Society and Its Environment 2 are designed to develop students' understanding of teaching geographical tools and skills, particularly fieldwork and inquiry learning experiences. A variety of geographical resources developed for teaching such as maps, graphs and statistics, and photographs will be used to investigate the components of planning a sequence of skill development in Stage 4 and 5 Geography. Activities will be developed which will assist school students develop skills in acquiring, processing and communication geographical information, as well as encouraging their participation as active and informed citizens. In addition special attention will be given to the place of fieldwork in geography programs, including how a teacher can help students become active investigators of space, location and geographic community.

EDSE 3042 Teaching Drama 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr M Anderson, Dr H Hughes. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 16 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 develop an understanding of the cognitive/affective development which the study of Drama anticipates. They 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.

EDSE 3060 Teaching Drama 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Michael Anderson. **Session:** Semester 2. **Classes:** 4hrs/wk for 9 weeks (36 hrs). **Prerequisites:** EDSE3042 Teaching Drama 1 + 16 senior credit points of Performance Studies. **Assessment:** Assessment is based on an essay on drama learning pedagogies (3000w) and a 20 minute seminar presentation and accompanying paper relating to an HSC topic area in drama.

This unit continues the preparation for teaching Drama 7-12, with a focus on Stage 6, HSC Drama. 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.

EDSE 3043 Teaching TESOL 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. TBA. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit pts of Education + 28 credit pts of either English, Linguistics or Languages. **Assessment:** The assessment tasks will be the completion of a case study into second language acquisition and the development of teaching materials.

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 field-work 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.

EDSE 3061 Teaching TESOL 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 4 hrs/wk (36 hrs). **Prerequisites:** EDSE3043 Teaching TESOL 1 + 28 credit pts of either English, Linguistics or Languages. **Assessment:** The assessment tasks include the development of a teaching portfolio (2500 words 50%) and the class presentations of student research (2500 words 50%).

This unit of study focuses on the development of literacy in a second language and on assessment and evaluation of TESOL learners and teaching programs. Students will explore the implications of the various models of reading for TESOL and the issues surrounding cultural differences in reading and writing. There will also be a focus on the implications of text-type/genre and process approaches for second language writing. Students will develop skills in linking assessment of teenage and adult learners of English with programming.

EDSE 3044 Teaching English 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Jacqueline Manuel. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 48 Credit Points including 18 credit points of Education and 16 Senior credit pts of English or Australian Literature. **Assessment:** (1) notes on a junior English lesson (2) a reflective journal dealing with students' growing understanding of the English teacher's role, as well as two book reviews and a statement about practicum.

Designed to increase awareness of the issues and concerns involved in 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 are grounded in a knowledge of contemporary theory relevant to teaching and learning English, and proficient in a range and variety of teaching strategies appropriate to the class levels and individual needs encountered in secondary English classes.

EDSE 3062 Teaching English 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Jacqueline Manuel. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hours). **Prerequisites:** EDSE3044 Teaching English 1 + 16 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 and complete 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.

EDSE 3045 Teaching Mathematics 1A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Judy Anderson. **Session:**

Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit points of Education and 24 credit points of Mathematics. **Assessment:** 1. Planning a lesson from the Number strand of the syllabus. 2. Planning, delivering and evaluating lessons for Year 7 and 8 from the Number or Patterns and Algebra strands.

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.

EDSE 3046 Teaching Mathematics IB

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Judy Anderson. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit points of Education and 24 credit points of Mathematics. **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. 2. Designing a portfolio of rich assessment tasks for a particular stage.

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.

EDSE 3063 Teaching Mathematics 2A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Judy Anderson. **Session:** Semester 2. **Prerequisites:** EDSE 3045 + 12 credit points of intermediate maths 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 upon 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.

EDSE 3064 Teaching Mathematics 2B

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Judy Anderson. **Session:** Semester 2. **Classes:** 4hrs/wk (36hrs). **Prerequisites:** EDSE 3045 Teaching Mathematics 1A, EDSE3046 Teaching Mathematics IB, and 12 credit points of intermediate mathematics or statistics. **Corequisites:** EDSE3063 Teaching Mathematics 2A. **Assessment:** 1. Presenting a teaching and learning activity for either Data, Measurement or Space and Geometry (1000 words). 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 (3000 words). As a school based unit, it provides the student with the opportunity to work directly with children. The construction of rich learning environments for students are done with the classroom teacher. Assessment strategies for these children are examined closely as part of the learning experience, together with DET policy for measuring and recording formative assessment tasks.

EDSE 3047 Teaching Languages 1A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Lesley Harbon. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit pts of Education + 28 credit pts of languages. **Assessment:** Assessment will be based on one essay, lesson planning and reflection via written entries on an electronic Discussion Board.

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. 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.

EDSE 3048 Teaching Languages IB

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Lesley Harbon. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit pts of Education + 28 credit

4. Education units of study

pts of Languages. **Assessment:** Assessment will be based on lesson planning and reflection via written entries on an electronic Discussion Board.

The unit is designed to continue to build pre-service languages teachers' understandings of languages education key concepts 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 (local and international) classroom practices and particular aspects of policy and NSW Board of Studies documentation. Students continue a "journey" of reflection on languages education.

EDSE 3065 Teaching Languages 2A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Lesley Harbon. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hours). **Prerequisites:** EDSE3047 Teaching Languages 1A and 16 senior credit points of languages. **Assessment:** Assessment will be based on three assignments, senior assessment task 50%, 2500 words, powerpoint slide show and design 20%, 1000 words, make, appraise a language teaching resource 30%, 1500 words. 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.

EDSE 3071 Teaching Languages 2B

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Lesley Harbon. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hours). **Prerequisites:** EDSE3047 Teaching Languages 1A and EDSE3048 Teaching Languages 1B and 16 senior credit points of languages. **Corequisites:** EDSE3065. **Assessment:** Assessment will be based on two tasks: senior assessment task, 50%, 2500 words and reflection via written entries on an electronic discussion board 50%, 3500 words. 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 in an online guided reading mode (within the core), 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. Within the specific strand, pre-service teachers will continue to explore NSW Board of Studies documentation related to their second target language. Students continue to broaden their "journey" of reflection on language education.

EDSE 3049 Teaching Computer Studies 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. TBA. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit points of Education + 24 credit points 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 from 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, datastorage 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 focus 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 & reconstruction into activities, lessons, & projects.

EDSE 3066 Teaching Computer Studies 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hours). **Prerequisites:** EDSE3049 Teaching Computer Studies 1 and 12 intermediate credit points of computer studies. **Assessment:** Class presentations (20 minutes), report (1500 words), research (1500 words), program design (2000 words). 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 in-

formation 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.

EDSE 3050 Teaching Commerce/Economics 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Mike Horsley. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 16 Intermediate credit pts of Economics or Commerce or Government or Political Economy or Work. **Assessment:** Students will develop a Commerce teachers tool kit incorporating lesson plans, programs, teaching resources and a range of commercial teaching materials.

Module A: will prepare students to teach Commerce in stages 4 and 5 and Business Studies in stage 6. The modules in the 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 of Commerce and Business Studies outcomes. Module B: This module presents a common core for all history and social education students covering generic HSIE teaching skills and understandings for incorporating cross curriculum content into all the subjects in the HSIE key learning area.

EDSE 3067 Teaching Commerce/Economics 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Mike Horsley, Dr Llian Merritt. **Session:** Semester 2. **Classes:** 4hrs/wk (36 Hours). **Prerequisites:** EDSE3050 Teaching Commerce/Economics 1 and 16 senior credit points of economics or commerce or government or political economy or work studies. **Assessment:** Preparation of a Business Plan in accordance with the Stage 6 Business Studies Syllabus (3000 words 50%), and a 3000 word modification of existing lessons and program that incorporates cross curriculum content (50%).

The two modules of Business Studies/Economics Module 2 and Human Society and its Environment Core 2 module 2 will prepare students to teach Business Studies and Economics in stage 6. The modules in the unit of study provide 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 of Economics and Business Studies outcomes. Module B: is designed to develop students skills in applying cross curriculum content and perspectives especially civics and citizenship, literacy and numeracy and multiculturalism to the development of learning strategies and teaching resources.

EDSE 3051 Teaching Science 1 (Core)

6 credit points. B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. Mr Tony Sperring. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 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 and 18 credit points of Education. **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. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE 3068 Teaching Science 2 (Core)

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Tony Sperring. **Session:** Semester 2. **Classes:** 4hrs/wk (36 hours). **Prerequisites:** EDSE3051 Teaching Science 1 (Core) and 12 intermediate credit points of science. **Assessment:** Assessment will be based on one assignment (1500 words) (25%) and group seminar presentation (1 hour) (15%), and a professional portfolio (3500 words) (60%).

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. The course outline for this unit will be placed on the internet at <http://alex-edf.usyd.edu.au/methods/science/>

EDSE 3052 Teaching Science Elective (Chemistry)

6 credit points. B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. Mr Tony Sperring. **Session:** Semester 2. **Classes:** 4hrs/wk. **Prerequisites:** 12 intermediate credit points of Chemistry & 12 credit points of Mathematics & 18 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core). **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. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/doubledegree.htm>.

EDSE 3053 Teaching Science Elective (Senior Sci)

6 credit points. B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. TBA. **Session:** Semester 1b, Semester 2. **Classes:** 4hrs/wk. **Prerequisites:** 24 intermediate credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 18 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core). **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 Senior Science, a multidisciplinary science course for senior school students. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE 3054 Teaching Science Elective (Biology)

6 credit points. B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. Mr Ian Stevens. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 12 intermediate credit points Biology and 18 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core). **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. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE 3069 Teaching Jewish Studies 1

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Mr B Conyer. **Session:** Semester 1b. **Classes:** 4 hrs week for 9 weeks (36 hours). **Prerequisites:** 16 senior credit points of Jewish Civilisation, Thought and Culture. **Assessment:** Assessment will consist of lesson plans of 750 words (20%), Unit of Study 1500 words (30%) and Reflective Journal and Resource Folder 3000 words (50%).

This course 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 course develops foundational skills for classroom teaching in addition to specialised teaching methods for the teaching of Judaism. The course also introduces students to the socio-historic development of Jewish education in Australia, providing an understanding of local context.

EDSE 3070 Teaching Jewish Studies 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Mr B Conyer. **Session:** Semester 2. **Classes:** 4 hrs week for 9 weeks (36 hours). **Prerequisites:** EDSE3069 Teaching Jewish Studies 1 & 16 Senior Credit Points of Jewish Civilisation, Thought and Culture. **Assessment:** Assessment will consist of School visit assignment 1000 words (20%), Vision Statement 1500 words (30%) and Unit of Work 2500 words (50%).

This course is the second 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 course develops foundational skills for classroom teaching in addition to specialised methods for the teaching of Judaism. The course also introduces students to the socio-historic development of Jewish education in Australia, providing an understanding of local context.

Year 4 Professional Studies (Compulsory Units)

EDSE 4039 Craft Knowledges and Prof Practices 2

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Dr Llian Merritt. **Session:** Semester 2. **Classes:** 6hrs/wk for 6 weeks (36 hrs). **Prerequisites:** EDSE3002 Craft Knowledge and Professional Practices 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Assessment:** A reflection on Practice (20%) (1000 words), ii. Participation in a Web-site discussion (40%) (1500 words), iii. 3000 word assignment (40%).

This unit of study will be integrated with school experience, and will explore different methods of expanding professional craft knowledge: critical friends, journals and mentors. The unit will use case-study methodology and will provide opportunities for students to further their insights into the ways in which the construction of one's own individual teaching style can be analysed using contemporary educational theories and practices.

EDSE 4036 Professional Experience 2

2 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 25 days, in-school experience. **Prerequisites:** 48 credit points including 20 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Assessment:** Pass/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. This unit of study is the second school experience in the program. 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.

EDSE 4037 Professional Experience 3

2 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 20 days, in-school experience. **Prerequisites:** 96 credit points including 52 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Corequisites:** EDSE4036 Professional Experience 2 and EDSE4038 Curriculum 4. **Assessment:** Pass/Fail.

Professional Experience 3 is the third in-school experience in this program. Beginning teachers will be required to demonstrate a broader range of skills, knowledge and understandings and to continue to develop a repertoire of effective teaching and learning strategies. Beginning teachers will work closely with a cooperating teacher in the school and address areas of identified need for professional development. This professional experience requires beginning teachers to implement a dedicated ICT teaching and learning unit within their specific curriculum area. They must demonstrate sound knowledge of the syllabus requirements for their curriculum area and be capable of implementing an effective ICT learning experience for students.

EDSE 4038 Curriculum 4: Information Technology

8 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program. Mr Tony Sperring and Mr Mike Horsley. **Session:** Semester 2. **Classes:** 48 hours over 12 weeks. **Prerequisites:** 48 Credit points including 20 credit points of Education & two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Corequisites:** EDSE4039, 4036 and 4037. **Assessment:** Assessment will be based on an IT project in the student's major teaching method (curriculum) area (or in a cross-curriculum project relevant to their two teaching methods).

This unit of work builds upon earlier work in information and communication technology in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the teaching of their curriculum area(s) in schools. Working in their curriculum method groups, students will have the opportunity to investigate the uses of ICT in their curriculum area(s), analyse and evaluate information technologies, interfaces, software and hardware which are relevant to teaching and learning in their curriculum area(s), and work on a project which applies their knowledge and understanding of ICT, in the development and/or evaluation of ICT materials which can be used in the teaching of particular curriculum area(s). Each student is to complete a project which demonstrates their understanding of, and competence,

in the application of ICT to teaching and learning in their curriculum area(s) and apply it in their technology professional experience.

Year 4 Curriculum Units

EDSE 4021 Teaching Visual Arts 3A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Marianne Hulsbosch. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3037 Teaching Visual Arts 1A and EDSE3005 Teaching Visual Arts 2A. **Assessment:** Individual program of learning for student HSC, Visual Art Body of Work.

This unit will examine the nature and scope of Visual Art Education and Research both locally and internationally. The role of reflection within authentic learning contexts will receive special emphasis in the context of the Senior Creative Art Syllabus (Stage 6). Authentic, practical activities will be utilised to contextualise and ground art education processes, a specific focus will be ITC learning in the Visual Arts. Students will be introduced to the development of sequential reflective practical learning experiences for an HSC student.

EDSE 4022 Teaching Visual Arts 3B

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Marianne Hulsbosch. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3005 Teaching Visual Arts 2A & EDSE3039 Teaching Visual Arts 2B and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Individual program of learning for student HSC, Senior Visual Art program focusing on ITC in Art, ISE reflective report, Visual Art Body of Work.

NB: Department permission required for enrolment.

This unit will examine the nature and scope of Visual Art Education and Research both locally and internationally. This is followed by a survey of international pedagogical models of art teaching with a special emphasis on experiential learning. The role of reflection within authentic learning contexts will receive special emphasis in the context of the Senior Creative Art syllabus (Stage 6). Authentic, practical activities will be utilised to contextualise and ground art education processes, a specific focus will be ITC learning in the Visual Arts. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences, writing lesson plans for the senior secondary school. Students will be introduced to the development of sequential reflective practical learning experiences of an HSC student.

EDSE 4023 Teaching History 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Ms Carmel Fahey, Dr Tim Allender. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3040 Teaching History 1 & EDSE3007 Teaching History 2. **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 prepare History Curriculum students to teach the skills and understandings necessary to teach current Board of Studies senior history syllabuses. The course also explores the realities of teaching students at this level, and the various ways higher-order skills may be developed in response to the demands of the new Extension History syllabus.

EDSE 4024 Teaching Geography 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Mike Horsley. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3041 Teaching Geography 1 & EDSE3009 Teaching Geography 2. **Assessment:** Students will plan a unit of work, develop a student handout related to the Senior Geography Project, and plan a field trip, and develop an appropriate program for assessing student achievement of syllabus outcomes.

This module is designed to prepare students to teach the NSW Board of Studies Geography Syllabus Stage 6 Preliminary and HSC Courses. It will draw upon the knowledge and skills developed in Teaching Geography 1 and 2 and apply these to the topics contained in the syllabus for geography in the senior years of schooling. Program planning and the development of valid and reliable means of assessing student performance will be emphasized. Attention will be given to how student performance can be reported against predetermined standards.

EDSE 4025 Teaching Drama 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr J Hughes, Dr M Anderson. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3042 Teaching Drama 1 & EDSE3011 Teaching Drama 2 + 16 credit pts of Performance Studies. **Assessment:** Assessment is based on the preparation and analysis of their own perform-

ance 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; they will work with critical friends and mentors, collaborating with schools and other educational institutions, critically reflecting on their own and other people's work. They will continue to develop their own personal style of teaching.

EDSE 4026 Teaching TESOL 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. TBA. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3043 Teaching TESOL 1 & EDSE3013 Teaching TESOL 2. **Assessment:** Students will choose two assessment tasks from a range that includes fieldwork study, library research and essays and materials development and class presentations.

This unit of study contains four models that relate to the varied contexts of teaching TESOL. The first focus is on cross-cultural issues: multiculturalism, anti-racism and intercultural communication skills. The second unit aims to develop students' skills in understanding the systems of English and uses perspectives from both traditional and functional grammar. The third module focuses on the teaching of adults. The final module aims to develop students' professional understanding and expertise as second language educators and covers topics such as the establishment of school programs and the role of the ESL Teacher.

EDSE 4027 Teaching English 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Jacqueline Manuel. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3044 Teaching English 1 & EDSE3015 Teaching English 2. **Assessment:** Assessment will take the form of two pieces of work relating to advanced areas of study of the student's own choice. Students will be offered the opportunity to study two aspects of English teaching and learning in some depth. Options offered may include writing in secondary English, Media in secondary English, Poetry in secondary English and Adolescent Literature.

EDSE 4028 Teaching Mathematics 3A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Judy Anderson. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3045 Teaching Mathematics 1A & EDSE3018 Teaching Mathematics 2A. **Assessment:** 1. Researching & presenting a particular aspect of research in mathematics education that relates to the teaching of General Maths for HSC. 2. Researching & writing a paper.

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 and the implications of these for teachers in classrooms is considered.

EDSE 4029 Teaching Mathematics 3B

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Judy Anderson. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3018 Teaching Mathematics 2A or EDSE3063 Teaching Mathematics 2A and EDSE3019 Teaching Mathematics 2B or EDSE3064 Teaching Mathematics 2B. **Assessment:** 1. Researching & presenting a topic from a calculus based course that includes teaching ideas. 2. Interviewing students & teachers and writing a brief report on the findings in relation to the literature.

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.

EDSE 4030 Teaching Languages 3A

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Lesley Harbon. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3022 Teaching Languages 2A. **Assessment:** Assessment will be based on one assignment, a unit programme and reflection via written entries on an electronic Discussion Board.

This unit is designed to build on curriculum unit EDSE3022 Teaching LOTE 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 employ-

ment 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.

EDSE 4031 Teaching Languages 3B

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Lesley Harbon. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3022 Teaching Languages 2A & EDSE3023 Teaching Languages 2B. **Assessment:** Assessment will be based on written assignment, lesson planning and reflection via written entries on an electronic Discussion Board.

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. Within the specific strand, pre-service teachers will explore assessment strategies with regard to NSW Board of Studies documentation vis-a-vis their second language.

EDSE 4032 Teaching Computer Studies 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Tony Sperring. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3049 Teaching Computer Studies 1 & EDSE3025 Teaching Computer Studies 2. **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.

EDSE 4033 Teaching Commerce/Economics 3

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Mr Mike Horsley, Dr Llian Merritt. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3050 Teaching Commerce/Economics 1 & EDSE3029 Teaching Commerce/Economics 2. **Assessment:** Students will develop a Globalisation Teaching program for Economics and Business Studies and a Legal Studies Teaching Folder including a program, teaching resources, standard referenced assessment item and a constitution lesson plan.

The two modules of a Business Studies and Economics Year 12 Curriculum Module and b. Legal Studies Curriculum Module will prepare students to teach Legal Studies, Business Studies and Economics in stage 6. The modules in the unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of commercial and legal education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students achievement of Legal Studies, Economics and Business Studies outcomes.

EDSE 4034 Teaching Science 3 (Core)

6 credit points. B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. Mr Tony Sperring. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3051 Teaching Science 1 (Core) & EDSE3031 Teaching Science 2 (Core). **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. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/methods/science>

EDSE 4035 Teaching Science 4 (Sci Hist & Phil)

6 credit points. B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program. Mr Tony Sperring. **Session:** Semester 1. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3031 Science Curriculum 2 (Core). **Assessment:** Assessment will be based on an essay and a seminar presentation.

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. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

Year 5 Professional Studies (Compulsory Units)

EDSE 5008 Internship

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Dr Marianne Hulbosch. **Session:** Semester 1, Semester 2b. **Prerequisites:** 96 credit points including 52 of Education and EDSE3003 Professional Experience 1, EDSE4036 Professional Experience 2 and EDSE4037 Professional Experience 3. **Assessment:** Assessment is based on a satisfactory report from the supervising school and the university coordinator.

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

EDSE 5001 TESOL as a Third Teaching Area

12 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 6hrs/wk. **Prerequisites:** 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English. **Assessment:** Completion of a case study into second language acquisition and the development of teaching materials. Students will choose 2 assessment tasks from a range that includes fieldwork study, library research and essays and materials development and class presentations.

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 EDSE5002 TESOL Professional Experience.

EDSE 5009 TESOL Professional Experience

6 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Prerequisites:** 96 credit points including 52 of Education and 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English. **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.

EDSE 5010 Meeting the Needs of Cultural Diversity

12 credit points. B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program. Mike Horsley. **Session:** Semester 2. **Classes:** 12 hrs/wk. **Prerequisites:** 96 credit points including 52 credit points of Education. **Assessment:** Assessment will be based on field reports from working with students and communities (3000w 33%) a report on teaching tasks in partnership schools and learning centres (3000w 33%) and in embedding culturally responsive pedagogy and curriculum resources in existing subject teaching programs (3000w 34%).

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, particularly Pasifika Australia. 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. The course is also designed as an orientation to possible internships in distant locations.

EDGU 2000 Teaching English Internationally 1

6 credit points. B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Primary: Languages), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych). Dr John Hughes. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 96 credit points including 52 credit points of Education. **Assessment:** 1 hour exam, seminar presentation 1,000 words, discussion room 1000-words, unit of study 1000 words.

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.

EDGU 3000 Teaching English Internationally 2

6 credit points. B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Primary: Languages), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych). Dr John Hughes. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 96 credit points including 52 credit points of Education. **Assessment:** 1 hour exam, seminar presentation 2000 words and essay 1,000 words.

The rapid expansion of English as a global language has led to a demand for graduates across a range of disciplines to have and 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.

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

Year 2 Professional Studies (Compulsory Units)

EDSP 2001 Counselling Practicum 1

2 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Susan Colmar. **Session:** Semester 1, Semester 2. **Prerequisites:** 48 credit points including 12 credit points of Education and PSYC1001 & PSYC1002. **Assessment:** Evaluation will be through completion of a satisfactory logbook record and reflective report.

This initial counselling practicum focuses on the professional role of school counsellors. By observing school counsellors at work, students will gain an understanding of the role of school counsellor, the issues related to school counselling, and the relationship between school counsellors and other school personnel.

Year 3 Professional Studies (Compulsory Units)

EDSP 3001 Teaching Practicum 1

2 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Llian Merritt. **Session:** Semester 2. **Prerequisites:** 48 credit points including 18 credit points of Education and EDSP3002 Teaching and Learning (Psychology). **Assessment:** Evaluation will be through completion of a satisfactory report.

This unit will include a range of professional experiences in schools and other learning contexts - eg. observing, acting as a teacher's aide, teaching in a classroom and participating in wider school and community activities.

EDSP 3002 Teaching and Learning (Psychology)

4 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Susan Colmar. **Session:** Semester 1. **Classes:** 2hrs/wk. **Prerequisites:** 48 credit points including 18 credit points of Education and 24 credit points of Psychology. **Assessment:** 2000 word assignment and class presentation on the role of the teacher (60%). Web-site discussion (40%) 2000 words.

This unit aims to facilitate an understanding of the knowledge base and professional practices used by expert teachers. It inducts beginning teachers into these practices through the use of reflection, observation, mastery of skills, and knowledge of the teaching profession.

Year 4 Professional Studies (Compulsory Units)

EDSP 4001 Psychological and Educational Assessment

6 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Susan Colmar. **Session:** Semester 1. **Classes:** 1 lecture x 1.5 hours x 12 weeks; 1 skills based workshop tutorial x 1.5 hours x 12 weeks. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; EDSP2001, 3002. **Assessment:** Two protocols and reports (30%); Major essay (30%); Summative exam (40%). This unit introduces the student to the principles of assessing children and the topic of intelligence. Various models of intelligence are studied within an historical framework, including the development of instruments for measuring intelligence. The relationship between models of intelligence and cognitive assessment techniques is discussed, with particular emphasis placed on the critical evaluation of commonly used individually administered intelligence tests. The difference between testing and assessment is discussed, and the multiplicity of factors contributing to successful assessment is emphasised. The principles of standardised testing and the application of competent, ethical, professional use of intelligence tests are taught using current tools such as the Wechsler Scales and the Stanford Binet (5th Ed). The psychometric properties of tests are examined. The appropriateness of the assessment of specific groups such as young, developmentally young and culturally different children is critically evaluated. Supervised practice of key tests of intelligence is organised in small group workshop sessions. Competency is expected in the administration and scoring of key IQ tests and in the writing of assessable reports.

EDSP 4002 Behaviour Assessment and Interventions

6 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Susan Colmar. **Session:** Semester 2. **Classes:** 1 lecture x 1.5 hours x 12 weeks; 1 skills based workshop tutorial x 1.5 hours x 12 weeks. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; EDSP2001, 4001. **Assessment:** Seminar presentation and paper (60%); Case study (40%).

The assessment of behaviour problems, both externalising and internalising, is introduced as it applies to children and young people in educational and home settings. Links between the theories, description and classification of problem behaviour and DET practice in NSW will be highlighted. Appropriate strategies for the assessment of behaviour and mental health problems, programming for behaviour management and mental health support strategies, and the evaluation of intervention programs are discussed as they apply to the educational and other environments in which School Counsellors work. Alternative settings for individuals with behaviour and mental health difficulties are critically evaluated and studied.

EDSP 4003 Counselling Practicum 2

2 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Susan Colmar. **Session:** Semester 2. **Classes:** 20 days school counselling experience in schools. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; EDSP2001. **Corequisites:** EDSP4004 Teaching Practicum 2. **Assessment:** Students will continue to develop a counselling portfolio covering more final performance outcomes due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. The grading will be on a Satisfactory or Unsatisfactory basis.

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 2 focuses on the application of assessment skills including test administration, report writing and the development of appropriate intervention plans.

EDSP 4004 Teaching Practicum 2

4 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych). Dr Llian Merritt. **Session:** Semester 2. **Classes:** 20 days, in-school experience. **Prerequisites:** 48 credit points including 18 credit points of Education, EDSP3001 & One of the following: EDSE4021, 4023, 4025, 4026, 4027, 4028, 4030, 4034. **Corequisites:** EDSP4003 Counselling Practicum 2. **Assessment:** Pass/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. This unit of study is the second school experience in the program. 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.

Year 5 Professional Studies (Compulsory Units)

EDSP 5001 Counselling Children and Adolescents

6 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Susan Colmar. **Session:** Semester 1. **Classes:** 1 lecture x 15 hours x 12 weeks; 1 skills based workshop tutorial x 15 hours x 12 weeks. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education. **Assessment:** Case Study Value: 50% 2500 words Seminar Presentation Value: 50% Handout Paper 1000 words, plus key reference. Presentation, 60 minutes.

This unit of study is designed to introduce the students to issues and concepts related to counselling children and adolescents within the school setting. The focus will be on accurate assessment of the concerns and the development of intervention plans appropriate for the educational environment.

EDSP 5002 Issues in School Counselling

4 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Susan Colmar. **Session:** Semester 1. **Classes:** 1 lecture x 1 hour x 12 weeks; 1 skills based workshop tutorial x 15 hours x 12 weeks. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education. **Assessment:** 1. Test Review Presentation and Summary Paper (1000 words) 30%
2. Major Case Study (2000 words) with a primary aged child with academic difficulties 50%
3. Participation in casework discussions focused on a child case brought forward (not the case study children) covering key case management issues, including working with teachers and parents 20%.

This unit of study focuses on ethical and professional skills for school counselling and to provide them with an overview of the key issues for school counsellors working in primary school settings.

EDSP 5003 Counselling Practicum 3

2 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. Dr Susan Colmar. **Session:** Semester 1. **Classes:** 12 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 & 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.

EDSP 5004 Counselling Practicum 4

4 credit points. B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program. 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

EDUH 1001 Foundations of PDHPE

6 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Steve Georgakis. **Session:** Semester 1. **Assessment:** 2000w Essay, 2000w Seminar and 2 hour Examination.

This unit of study will examine the philosophical, historical, psychological, sociological, and pedagogical contexts that influence the PDHPE KLA. An understanding of these contexts will enhance students' appreciation of their role as teachers of PDHPE.

EDUH 1002 Motor Skill Acquisition

3 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Tracy Rockwell. **Session:** Semester 2. **Assessment:** Examination (2 hours), assignment (1000 words). This unit of study is based on recent research and theory in learning and performance in the psychomotor domain, with particular application to the acquisition of motor skills. A central theme will assess the effect on the individual of internal (learning theories), external (practice conditions and techniques), and individual differences (abilities, skills, capacities).

EDUH 1003 Practical Study in Physical Education 1

3 credit points. B Ed (H M H E), UG Study Abroad Program. Meg Pickup. **Session:** Semester 2. **Assessment:** Dance: Peer Teaching (2000 words) 50%, Practical skills checklist 30%, Fundamental movement skills: assignment (1000 words) 20%.

Human movement is an integral part of the PDHPE key learning area. This unit of study is the first of five that will explore physical education as part of the PDHPE key learning area to reinforce the links 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 in one aspect will drive the direction of these units. In this unit students will have the opportunity to develop their physical and teaching skills in dance and FMS (fundamental movement skills).

EDUH 1016 Human Bioscience

6 credit points. B Ed (H M H E), B Ed (H M H E). Dr Sue Franklin. **Session:** Semester 2. **Classes:** 2 lectures, 1 session independent study, 3 prac/week. **Prohibitions:** BIOL 1003, BIOL 1903. **Assessment:** One 2hr exam, assignments, classwork.

The aim of this unit of study will introduce students to human evolution and genetics, and human structure and function as they apply to future professionals involved in physical education and health education and sport. The unit of study begins with human evolution, human population dynamics and the impact of people on the environment. It includes nutrition, distribution of essential requirements to and from the cells, control of body functions and defence mechanisms. After discussions of reproduction and development it concludes with some controversial aspects of human genetics. This unit of study is offered by staff in the School of Biological Sciences, Faculty of Science.

Textbooks

Seeley, R., Stephens, T.D. & Tate, P. (1999) Essentials of Human Anatomy and Physiology, McGraw Hill Book Company, (Australia), Pty Ltd.
Plus - Chapters 19, 20 and 21 from Benjamin C.L., Garman G.R. and Funston J.H. (1997) Human Biology, McGraw-Hill, which will be produced and shrink-wrapped with Seeley, et al.

EDUH 1017 Sports Mechanics

6 credit points. B Ed (H M H E), B Ed (H M H E). **Session:** Semester 1. **Classes:** two 1hr lectures, one 2hr tutorial, one 2hr practical. **Assumed Knowledge:** No assumed knowledge of Physics. **Prohibitions:** PHYS1001, PHYS1002, PHYS1901. **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 EDUF 3013 (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, Dalgol Company, Ohio, USA, 1995.-
Hay, J. The Biomechanics of Sports Techniques, 4th edn, Prentice Hall, New Jersey, 1993.

Year 2 Curriculum & Professional Studies

EDUH 2001 Applied Anatomy and Physiology

4 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Tracy Rockwell. **Session:** Semester 2. **Prerequisites:** EDUH1016 Human Bioscience. **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.

EDUH 2005 Determinants of Health

4 credit points. B Ed (H M H E), UG Study Abroad Program. TBA. **Session:** Semester 2. **Prerequisites:** 36 credit points including 12 credit points from Education. **Assessment:** Seminar presentation (45%), Unit outline and lesson plans (35%), Essay (20%). 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.

EDUH 2006 Practical Studies in PE 2

6 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Steve Georgakis. **Session:** Semester 1. **Prerequisites:** 36 credit points including EDUH1003. **Assessment:** Soccer: Skills Test; Exam; Game Sense: Peer Teaching; Gymnastics: Group Work; Unit Outline.

Movement 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. Where appropriate a games sense approach to the development of physical skills will be utilised. In this unit students will have the opportunity to develop their physical and teaching skills in Gymnastics; and Hockey/Soccer and the game sense approach to teaching games and sport.

EDUH 2027 Teaching and Learning in PDHPE 1

6 credit points. B Ed (H M H E), UG Study Abroad Program. Meg Pickup. **Session:** Semester 1. **Prerequisites:** 36 Junior credit points including 12 from Education. **Assessment:** Unit outline and lesson planning (50%), Essay (30%), Reflection task (20%). This unit of study will examine current NSW Board of Studies requirements regarding K-6 PDHPE through an examination of the syllabus, modules and support documents. Students will develop the skills necessary to design integrated units of work and lesson plans as well as a critical understanding of their role in teaching sensitive issues in the PDHPE curriculum. They will have the opportunity to develop basic teaching skills in a variety of K-6 PDHPE strands. The nature of the learning environment and the nature of the learner will be explored within the health promoting schools framework. Students will be encouraged to reflect on their experiences as learners and to value PDHPE as a lifelong learning experience. This unit provides the theoretical background for the unit of study EDUH2028 School Experience 1 in Semester 2.

EDUH 2028 School Experience 1

4 credit points. B Ed (H M H E), UG Study Abroad Program. Meg Pickup. **Session:** Semester 2. **Prerequisites:** 36 Junior credit points including 12 from Education. **Assessment:** Will be in the form of a reflection report and feedback to the school for Microteaching and a satisfactory teaching report and preparation of a portfolio that profiles the school's policies and procedures.

During Semester 2, students will apply their studies from EDUH2027 Teaching and Learning in PDHPE 1 by teaching small groups of primary school children from schools close to university. This Microteaching experience is built on when students are placed in primary schools for 20 days at the end of Semester 2. Students will teach aspects of PDHPE initially to small groups, then with whole classes. This in-school experience will provide opportunities for students to observe and participate in whole school and classroom procedures and practices. It is expected that students will assist with any of the various roles that primary school teachers to which they are assigned undertake.

Year 3 Curriculum & Professional Studies

EDUH 3001 Practical Studies in PE 3

4 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Tracy Rockwell. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2006. **Assessment:** Dance: Peer teaching, (50%), Aquatics: Unit outline; aquatic accreditation; aquatic skills (50%).

Physical activity is an integral part of the PDHPE key learning area. This unit of study is the fourth of five that will explore physical education as part of the PDHPE key learning area to reinforce the links between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. This unit aims to further develop the understanding of the general principles used in teaching and coaching dance, track & field and aquatics to primary and secondary students.

EDUH 3002 Practical Studies in PE 4

4 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Steve Georgakis. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH2006 and EDUH3001. **Assessment:** Track and Field: Peer teaching, ICT and written assignment (50%), Gymnastics: Peer teaching and lesson plan (50%).

Physical activity is an integral part of the PDHPE key learning area. This unit of study is the fourth of five that will explore physical education as part of the PDHPE key learning area to reinforce the links between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. This unit aims to further develop the understanding of the general principles used in teaching and coaching track and field and gymnastics to primary and secondary students.

EDUH 3003 School Experience II

4 credit points. B Ed (H M H E), UG Study Abroad Program. TBA. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH2004 School Experience I. **Assessment:** Satisfactory teaching report, satisfactory participation in whole school activities and continued development of portfolio of the policies and procedures of the school. This unit of study is graded PASS/FAIL.

This unit is the second of three that provide opportunities for students to gain teaching experience in schools. This is the first experience in secondary school settings. It will enable students to apply the theory covered in EDUH3006, Teaching and Learning in PDHPE II. Students will have the opportunity to further develop their teaching skills through self-reflection and review by the cooperating teacher. Students will experience the specialist nature of teaching in secondary schools and have the opportunity to compare teaching in primary and secondary school settings. Students will participate in whole of school experiences and continue the development of their portfolio.

EDUH 3004 Psychosocial Health Issues

4 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Jenny O'Dea. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2005 Determinants of Health. **Assessment:** Seminar presentation (50%); Essay (50%).

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.

EDUH 3006 Teaching and Learning in PDHPE 2

4 credit points. B Ed (H M H E), UG Study Abroad Program. Meg Pickup. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2007 or EDUH2027, Teaching and Learning in PDHPE. **Assessment:** Seminar presentation (45%); Programming in PDHPE (30%); Essay (25%).

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 school practices covered in EDUH2007 Teaching and Learning in PDHPE. Students will develop skills to implement the Year 7-10 PDHPE syllabus as part of the curriculum design process, to establish a supportive learning environment, to develop and deliver well planned units of study and lessons. They will also develop an understanding of students as learners and implementation of the quality teaching pedagogy to provide quality teaching and learning experiences for students.

It is equally important to understand that the role of teachers encompasses more than teaching the curriculum. Teachers have an important role to play in ensuring the health and welfare of students by providing a supportive and caring environment. This is effectively delivered within a health promoting school. Issues related to the role teachers of PDHPE have regarding literacy, behaviour management, the implementation of ICT will also be addressed.

EDUH 3014 Assessment and Evaluation in PDHPE

4 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. TBA. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH2007 or EDUH2027, Teaching and Learning in PDHPE. **Assessment:** Assessment will be in the form of a seminar presentation an assignment and an exam.

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.

EDUH 3027 Exercise Physiology

6 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Donna O'Connor. **Session:** Semester 1. **Prerequisites:** 40 credit points of professional studies in HMHE including EDUH2001 Applied Anatomy & Physiology. **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.

EDUH 3028 Adolescent Health Issues

6 credit points. B Ed (H M H E), UG Study Abroad Program. Dr Jenny O'Dea. **Session:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** 40 credit points of professional studies in HMHE including EDUH2005 Determinants of Health. **Assessment:** Seminar presentation OR unit outline and lesson plans (50%); Exam (50%).

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 & Professional Studies**EDUH 4047 Outdoor Education**

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Tracy Rockwell. **Session:** Semester 1. **Classes:** Lectures and field work. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Examination (40%), Group Report (30%), Group Presentation (30%).

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.

EDUH 4048 Professional Experiences in PDHPE 3

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Meg Pickup. **Session:** Semester 1. **Prerequisites:** 60 credit points of professional studies in HMHE including EDUH3006 and either EDUH2007 or EDUH2027 and. **Assessment:** Unit of work (40%), Seminar presentation (40%), Portfolio (20%), 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.

EDUH 4049 Advanced Physical Education Pedagogy

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Richard Light. **Session:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Essay (35%), Teaching resource (65%). Participation in physical activity is an integral part of the PDHPE key learning area. This unit of study is the fifth of five that will provide both practical and teaching experience in this aspect 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 each of these units. The games sense approach to the development of physical skills will be utilised. In this unit students will gain experience in target, striking/fielding, invasion and net/court games, initiative/challenge activities and physical activities with cultural significance.

EDUH 4050 Sports Medicine

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Mid semester exam (30%), Injury report (30%), Final Exam (40%).

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.

EDUH 4051 Community Health Issues

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Meg Pickup. **Session:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE including either EDUH3005 or EDUH3028. **Assessment:** Seminar presentation or unit of work and lessons (50%), examination (50%).

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**EDUH 4052 Learning in Outdoor Education**

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program, UG Summer/Winter School. Dr S Georgakis. **Session:** Semester 1, Semester 2, Winter. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Two 1500 essays and a 2000w essay.

NB: 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.

EDUH 4053 Indigenous Sport, Education and Culture

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program, UG Summer/Winter School. Dr Richard Light. **Session:** Semester 1, Winter, Semester 2. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** One seminar presentation on indigenous education issues, one 1500 word field trip report and a 2500w reflective essay based on field trips.

NB: 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

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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.

EDUH 4054 Issues in Nutrition Education

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Jennifer O'Dea. **Session:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Either develop lesson plans or presentation of a case study (50%), examination (50%).

NB: 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.

EDUH 4055 Fitness Training: Theory and Practice

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Donna O'Connor. **Session:** Semester 1. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Designing and implementing a 6-week training program (60%), debate (25%), quizzes (15%).

NB: 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.

EDUH 4056 Recreation Leadership and Management

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Tracy Rockwell. **Session:** Semester 1. **Classes:** 16 hours of lectures and a 20 hour excursion. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Leadership competencies (40%), Field Trip Planning Project (60%).

NB: Department permission required for enrolment.

The natural environment plays a significant role in the experiences of many Australians. This unit of study will provide opportunities for students to develop skills in outdoor education settings. Comparisons of the roles of teachers and outdoor education leaders will be made by studying specific skills that extend and enhance the learning environment beyond the classroom. Students will have the opportunity to apply theory to first hand experiences with people, places and things in an outdoor setting.

EDUH 4057 Administration of PDHPE and Sport

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Tracy Rockwell. **Session:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** Research poster project (30%), Group project presentation (30%), Exam (30%), Resource folder (10%).

NB: 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.

EDUH 4058 Sport and Learning in Australian Culture

6 credit points. B Ed (H M H E), B Ed (H M H E), UG Study Abroad Program. Dr Richard Light. **Session:** Semester 2, Semester 1. **Prerequisites:** 40 credit points. **Assessment:** Two, analytic field trip reports of 1000 words and one final research essay of 3000 words.

NB: 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 crit-

ical view of sport in their own societies, an understanding of global forces in sport and their impact on local cultures.

BEd (Secondary: Design and Technology)

Year 3 Professional Studies (Compulsory Units)

EDDT 3001 Design Fundamentals 2A

12 credit points. B Ed (Sec: Des and Tech). Mr Nigel Goodwin. **Session:** Semester 1. **Classes:** 10hrs/wk. Enmore Design Centre of TAFE. **Prerequisites:** EDDT2009 & EDDT2010.

NB: Classes follow TAFE enrolment pattern

This unit of study is undertaken in a service arrangement between the University of Sydney and Enmore Design Centre of TAFE. The course is Course Code 7547 Design Fundamentals -Applied Studies Certificate IV (AQF). Selected modules from this course are studied during normal TAFE terms. According to TAFE NSW:

"This course is for people who want to take up opportunities as a broadly educated designer. You learn design through project-based learning and work on practical assignments, operating individually and in teams. The course allows you to apply creative, critical, and visual judgement towards the resolution of a wide range of highly original solutions and ideas using a range of materials, styles and technologies. Personal expression of contemporary design concepts to client related and individually developed and initiated projects is encouraged.

The course includes the following areas: creative studies, design research, video production, entertainment design, and design in 2 and 3 dimensional contexts and media. You will work on major design projects that can be self-initiated. You will be expected to operate with entrepreneurial flair and should be able to present and articulate your design ideas with confidence."

FROM: www.tafensw.edu.au/cgi-bin/rdbweb/handbook/XGET-COURSE_TO?VCOURSE_NO=7547&MODE=H

EDDT 3002 Design Fundamentals 2B

12 credit points. B Ed (Sec: Des and Tech). Mr Nigel Goodwin. **Session:** Semester 2. **Classes:** 10hrs/wk. Enmore Design Centre of TAFE. **Prerequisites:** EDDT2009 & EDDT2010&EDDT3001.

NB: Classes follow TAFE enrolment pattern

For further information see EDDT3001

EDDT 3003 Teaching Technology 2A

4 credit points. B Ed (Sec: Des and Tech). Mr Nigel Goodwin, visiting lecturers. **Session:** Semester 1. **Classes:** 2hrs/wk for 12 weeks. **Prerequisites:** EDDT2005 & EDDT2006. **Assessment:** Critical review of literature, in-school observation report, class presentations, ICT projects, practical projects.

This unit will critically examine the National Statement on Technology and prevailing NSW secondary school syllabi in the Technological and Applied Studies area. Industry Curriculum Frameworks will receive specific attention. The critical examination of pedagogical models continues with an exploration of extant design school models including studio and apprenticeship approaches and an investigation of goal-based scenarios. Evaluation and assessment practices including course performance descriptors in Technology teaching contexts receive extended treatment. Authentic activities will be utilised to contextualise and ground technology education processes especially during the practicum experience. A special section is devoted to catering for students with special needs and another to using a "mind tools" approach to ICT in teaching and learning in the technology classroom.

EDDT 3004 Teaching Technology 2B

4 credit points. B Ed (Sec: Des and Tech). Mr Nigel Goodwin, visiting lecturers. **Session:** Semester 2. **Classes:** 2hrs/wk for 12 weeks. **Prerequisites:** EDDT2005 & EDDT2006 & EDDT3003. **Assessment:** Practical projects, training evaluations, occupational health and safety audits and ICT task.

This unit focuses initially on Occupational Health and safety issues in Technology classrooms. Risk management practices in industry will be used as models for risk management in the technology classroom. Ergonomic and anthropometric issues are explored as are stock ordering and storage, cyclic and special maintenance and repair processes and procedures, general facility planning and organisation, general safety in workshops and studios. ICT is examined in the context of organisational and maintenance issues in a TAS faculty. A specific section dealing with the teaching and training of safe working practices will be critically examined. There is also attention given to the ongoing professional development of technology teachers.

NB: Department permission required for enrolment.

EDDT 3005 Professional Experience A

4 credit points. B Ed (Sec: Des and Tech). Mr Nigel Goodwin/Cooperating teachers in schools. **Session:** Semester 2. **Assessment:** Successful completion of teaching. During their professional experience, students will involve themselves in the planning and implementing of appropriate classroom activities. They will link lessons sequentially and critically reflect on both their own teaching and children's responses. Lessons will reflect consideration of children's learning needs

Year 4 Professional Studies (Compulsory Units)**EDDT 4001 Teaching and Learning 2 (D & T)**

8 credit points. B Ed (Sec: Des and Tech). TBA. **Session:** Semester 1. **Classes:** 3hrs/wk. **Prerequisites:** EDDT2007 Teaching and Learning 1 (D&T) or EDSE3002 Craft Knowledge & Professional Practice 1. **Assessment:** Seminar presentation, participation in web site discussion and a written assignment, (2000 words).

This unit of study also continues the development of reflective practice in teaching. Students will critically assess important research literature dealing with reflection and will also examine pedagogic theory and research in curriculum planning as it relates to a developing teacher's practice. Students will identify and analyse the beliefs, perceptions and decision making processes that underpin their planning and implementation processes. Students will also consider a number of issues important to the commencement of work in the teaching profession, such as curriculum evaluation, innovation and change. Emerging priorities in the ethics of teaching and related legal implications will be examined in detail. The unit of study will explore how beginning teachers might be inducted into the profession and their ongoing professional learning.

EDDT 4003 Teaching Technology 3A

2 credit points. B Ed (Sec: Des and Tech). Nigel Goodwin. **Session:** Semester 1. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005 Teaching Technology 1A, EDDT2006 Teaching Technology 1B, EDDT3003 Teaching Technology 2A and EDDT3004 Teaching Technology 2B. **Assessment:** Practical projects, class presentations, essay, examinations.

This unit focuses attention on the senior secondary school syllabi especially Design and Technology 11-12 and Industrial Technologies; JSST and CEC courses; and on education for capability. Current policy and welfare documents are critically examined and integrated with an emerging personal philosophy in Technology Education developed by each student. Procedures for catering for gifted and talented students will be investigated and evaluated. Authentic, practical activities will be utilised to contextualise and ground technology education processes. The use of Information and Communication Technologies as tool and learning partner in the Design and Technology classroom will also receive consideration.

EDDT 4004 Teaching Technology 3B

2 credit points. B Ed (Sec: Des and Tech). Nigel Goodwin. **Session:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4003 Teaching Technology 3A. **Assessment:** Practical projects, class presentations, essay, examinations.

In this unit issues to be explored include facilitating reflection in learning, creative behaviour, encouraging the transfer of learning, team approaches to design, and developing design-based approaches to learning. Developing the design folio as part of Design and Technology 11-12 will receive major coverage. Managing Technological and Applied Studies departments, budgeting programs, and encouraging innovation and enterprise will also be examined in the context of a lifelong approach to learning.

EDDT 4014 Graduating Design Project

10 credit points. B Ed (Sec: Des and Tech). Co-operating teachers and University staff. **Session:** Semester 2. **Classes:** 5hrs/wk. **Prerequisites:** 72 credit points of Design and Technology Education Units. **Assessment:** Folio and project, Viva.

The Graduation Design Project seeks to engage students in solving authentic problems in their chosen field using practical and theoretical. The outcome is a project that integrates knowledge accumulated and developed during their period of candidature and a folio which provides evidence of their designing, planning, making and evaluating activities during the project.

EDDT 4015 Professional Experience B

2 credit points. B Ed (Sec: Des and Tech). Dr Lesley Scanlon. **Session:** Semester 2. **Prerequisites:** EDDT3005 Professional Experience A. **Assessment:** Successful completion of teaching.

During their professional experience, students will involve themselves in a wide range of across-school and local community activities in addition to planning and implementing classroom activities. They will link lessons sequentially and critically reflect on both their own teaching and children's responses. Lessons will reflect consideration of children's learning needs and of educational pathways.

Year 4 Curriculum Units**EDDT 4005 Food Science 3**

3 credit points. B Ed (Sec: Des and Tech). Ian Stevens. **Session:** Semester 1. **Classes:** 3hrs/wk. **Prerequisites:** EDDT2003 Food Science 1 and EDDT2004 Food Science 2. **Assessment:** Seminars, practical projects, assignments and class tests.

The content in this unit will build on and extend the information covered in Food Science 1A and 1B. Topics covered will involve more detailed investigation of various Australian Food Industries (eg. dairy, fishing, grain, meat eggs and vegetables), the factors that affect food selection, food law and regulation, and the global food trade. This unit further addresses the extended content needs of students who may wish to teach years 7-12 Food Technology in NSW Schools.

EDDT 4004 Teaching Technology 3B

2 credit points. B Ed (Sec: Des and Tech). Nigel Goodwin. **Session:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4003 Teaching Technology 3A. **Assessment:** Practical projects, class presentations, essay, examinations.

In this unit issues to be explored include facilitating reflection in learning, creative behaviour, encouraging the transfer of learning, team approaches to design, and developing design-based approaches to learning. Developing the design folio as part of Design and Technology 11-12 will receive major coverage. Managing Technological and Applied Studies departments, budgeting programs, and encouraging innovation and enterprise will also be examined in the context of a lifelong approach to learning.

EDDT 4007 Software Design & Development 1

3 credit points. B Ed (Sec: Des and Tech). Visiting lecturers & sessional staff. **Session:** Semester 1. **Classes:** 2hrs/wk. **Assessment:** Practical tasks, group work, written examination.

As a natural complement to the unit Information Processes and Technology, this unit will focus on the knowledge and skills necessary to design and develop software solutions. Participants will consider the principles identified in the Software Design and Development Unit when developing small software solutions. Important components of this unit will be participants' involvement in expressing solutions to problems using algorithmic description methods, implementation and testing of solutions using programming languages and consideration of human factors in software design. Participants will program in the imperative programming paradigm.

EDDT 4008 Software Design & Development 2

3 credit points. B Ed (Sec: Des and Tech). Visiting lecturers and sessional staff. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDDT4007 Software Design and Development 1. **Assessment:** Practical tasks, group work, written examination.

This unit develops and extends material examined in Software Design and Development 1. Special emphasis shall be given to expressing solutions to problems using algorithmic description methods, implementing and testing solutions using programming languages and consideration of human factors in software design. Participants study the alternative programming paradigms that appear in the HSC level SDD syllabus, developing skills to recognise the features of each paradigm.

EDDT 4009 Teaching Tech (VET - IT) 1

3 credit points. B Ed (Sec: Des and Tech). Nigel Goodwin, Visiting lecturers. **Session:** Semester 1. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B. **Assessment:** Class presentations, report, examinations.

This unit seeks to develop awareness of the nature and focus of VET (Information Technology) courses in schools. The Information Technology Curriculum framework, National Training Framework, and AQF certification procedures will be critically examined. 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.

EDDT 4010 Teaching Tech (VET - IT) 2

3 credit points. B Ed (Sec: Des and Tech). Nigel Goodwin, visiting lecturers. **Session:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4009 Teaching Tech (VET-IT) 1. **Assessment:** Class presentations, research, program design, examinations.

This course extends and develops the materials studied in Teaching Technology -VET (Information Technology) 1 by focussing on 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, writing effective and efficient programs and units of study, and developing valid and reliable assess-

4. Education units of study

ment tasks based on the assessment guidelines in the National Information Training Package. A range of dedicated training modules on Assessment and Workplace Training conforming to the requirements of BSZ98 and reflecting the competencies listed in that standard is incorporated in the unit of study.

EDDT 4011 Teaching Tech (VET - Hosp) 1

3 credit points. B Ed (Sec: Des and Tech). Ian Stevens. **Session:** Semester 1. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A,1B & ED-DT3003,3004 Teaching Technology 2A, 2B. **Assessment:** Practical reports, class presentations, seminars.

The unit develops knowledge, ideas and skills that relate specifically to VET courses in programming, unit development, safety and hygiene issues, resource management (including ordering and storing), behaviour management in a food classroom, development of reporting and assessment mechanisms for VET (Hospitality). This course also addresses that place of VET in schools and its history, the Australian Qualifications Framework (AQF), industry placement and the nature of competency based courses. A dedicated training module on Assessment and Workplace Training conforming to the requirements of BSZ98 and reflecting the competencies listed in that standard is incorporated in the unit of study.

EDDT 4012 Teaching Tech (VET - Hosp) 2

3 credit points. B Ed (Sec: Des and Tech). Ian Stevens. **Session:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A,1B & ED-DT3003,3004 Teaching Technology 2A, 2B. **Assessment:** Practical reports, class presentations, seminars.

The unit develops knowledge, ideas and skills that relate specifically to VET courses in programming, unit development, safety and hygiene issues, resource management (including ordering and storing), behaviour management in a food classroom, development of reporting and assessment mechanisms for VET (Hospitality). This course also addresses that place of VET in schools and its history, the Australian Qualifications Framework (AQF), industry placement and the nature of competency based courses. A dedicated training module on Assessment and Workplace Training conforming to the requirements of BSZ98 and reflecting the competencies listed in that standard is incorporated in the unit of study.

BEd(Primary)

Year1

EDUP 1001 Creative Arts 1

6 credit points. B Ed (Primary), UG Study Abroad Program. Associate Professor Robyn Ewing, Dr. Robyn Gibson and Dr. Michael Anderson. **Session:** Semester 2. **Assessment:** Mediated Reflection, Two music lesson plans & VAPD/Portfolio.

This unit comprises four Creative Arts components: Drama, Music, Dance and Visual Arts. It combines both theoretical and practical/studio work across a range of creative art forms.

EDUP 1002 Teaching and Learning: Literacy (Intro)

6 credit points. B Ed (Primary), UG Study Abroad Program. Associate Professor Robyn Ewing and Margaret Freund. **Session:** Semester 1. **Assessment:** Response to readings (20%) and field study (80%).

This unit will introduce students to teaching and learning issues and the early literacy development of children. It also provides the first in-school experience in a K-3 context and will provide a context in which students will observe, analyse and plan learning experiences for groups of children.

Year 2 Curriculum & Professional studies

EDUP 2002 English 2: Writing as Social Practice

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Angela Thomas. **Session:** Semester 1. **Prerequisites:** EDUP 1002 Teaching and Learning: Literacy. **Assessment:** Online discussion (50%); Writing portfolio (50%).

This unit of study examines the pedagogical implications of the nature of writing. This will require both an understanding of children's developmental patterns of writing and an exploration into ways the English language is drawn upon to create different text types or genres. Students will study notions of socio-cultural contexts and their impact on the ways different text types or genres construct meanings; the manner in which texts vary with respect to field, tenor and mode, and the relationship of these to the metafunctions of language. Students will be involved in online discussions related to the theoretical issues such as the socio-cultural approach to learning language and the ideological constructedness of texts. Students will also be involved in practical experiences with an emphasis on stage 2 classroom contexts.

EDUP 2004 PDHPE1: Physical Activity

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Richard Light. **Session:** Semester 1, Semester 2. **Assessment:** Essay (50%); Games Lesson Plans (20%); Teaching Evaluation (30%).

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 the Game Sense approach to teaching games in particular. Through reading, active participation in lectures, workshops and school-based team-teaching laboratories 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.

EDUP 2005 Mathematics 1: Exploring Early Number

4 credit points. B Ed (Primary), UG Study Abroad Program. TBA. **Session:** Semester 1, Semester 2. **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.

EDUP 2006 Indigenous Australian Education

4 credit points. B Ed (Primary), UG Study Abroad Program. Sharon Galleguillos. **Session:** Semester 1. **Assessment:** Participation (20%); Icon Presentation (30%); Case Study (50%).

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 the application of Aboriginal studies in primary school education and represents a contemporary Australian education and culture study that is linked to historical issues, and interrelates social, political and economic themes.

EDUP 2027 Beginning Professional Experiences

8 credit points. B Ed (Primary), UG Study Abroad Program. A/Prof Robyn Ewing, Dr Louise Sutherland. **Session:** Semester 2. **Prerequisites:** EDUP 1002 Teaching and Learning: Literacy (Intro). **Assessment:** A successful completion of professional experience placement and the following exercises. (1) A personal rationale/philosophy of teaching (750 - 1000w) (2) A 10 minute peer teaching exercise including a 200w summary (1000w equivalent total). (3) A personal approach to classroom management (1500w) (4) A reflection on the Professional Experience (1500w).

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 evaluation in developing a unit of work will be examined along with the importance of reflective practices. Classroom management issues will also be explored in detail, building on the initial discussions in Teaching and Learning: Literacy (Intro) 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 & Professional studies

EDUP 3001 PDHPE 2: Active Healthy Primary Schools

4 credit points. B Ed (Primary), UG Study Abroad Program. Ms Jan Milton. **Session:** Semester 1. **Prerequisites:** EDUP2004 PDHPE 1: Physical Activity and 20 credit points of professional studies in Primary Education. **Assessment:** An integrated PDHPE unit of work (3000 words) (70%). Class presentation and handout (30%).

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.

EDUP 3002 Human Society and its Environment

4 credit points. B Ed (Primary), UG Study Abroad Program. Ms Sandra Newell. **Session:** Semester 1. **Prerequisites:** 20 credit points of professional studies in Primary Education. **Assessment:** There are two assessment tasks in the UOS. The first task will involve the designing of a sequence of HSIE lessons which will fit into the context of HSIE unit for stage 2 students (80%). The second task will be an entry for the professional portfolio on understandings and beliefs about the teaching of HSIE K-6 (20%). These two tasks are linked closely to the outcomes of the UOS.

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.

EDUP 3003 Teaching in Multilingual Classrooms

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Paul Dufficy. **Session:** Semester 1. **Prerequisites:** 20 credit points of professional studies in Primary Education. **Assessment:** There is a range of linked assessment tasks in this UOS. These include activity design tasks; a written paper analysing classroom talk; the design of a substantial learning sequence; and the assessment of a piece of children's writing (25% each). The content of this introductory UOS 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.

EDUP 3004 Mathematics2: Space and Measurement

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Janette Bobis. **Session:** Semester 2. **Prerequisites:** EDUP2005 Mathematics 1 and 20 credit points of professional studies in Primary Education. **Assessment:** Students will work collaboratively to plan and implement three to four lessons at a local school. A folder of work containing all lesson plans, assessment information, criteria for assessment procedures and lesson evaluations will form the main assignment for the unit of study.

Mathematics 2 will continue the process of building students' understanding of how children's mathematical thinking develops that was begun in Mathematics 1. 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.

EDUP 3005 Investigating in Science and Technology

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Louise Sutherland. **Session:** Semester 2. **Prerequisites:** EDUF1016 & EDUF1017 and 20 credit points of professional studies in Primary Education. **Assessment:** Assessment will be based on three assignments involving teaching activities, the development of a teaching guide and lesson planning. Group work will be a feature of two 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 EDUF 1017.

EDUP 3006 English 3: Literature and Literacies

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Alyson Simpson and Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** EDUP 1002 Teaching and Learning: Literacy (Intro), EDUP 2002 English 2 and 16 credit points of professional studies in Primary Education. **Assessment:** Individual reading journal (20%); IOOow; Critical reflection on literacy event (30%); 1200w; Literature-based unit of work (50%); 1800w.

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. This involves learning how text structure and verbal grammar, as well as the visual grammar of images and layout, are used to construct different kinds of meanings. Students will engage in wide reading and respond to a variety of literary texts in paper and electronic formats. Students will also undertake close study of the verbal and visual form of se-

lected texts. From this basis students will design learning and assessment experiences to engage children's enjoyment of literary texts and to develop their critical understanding of how such texts are constructed to provoke pleasurable interpretive responses. Students will also investigate how literacy is encouraged in the wider community.

EDUP 3007 Professional Experiences 2 (Primary)

4 credit points. B Ed (Primary), UG Study Abroad Program. Associate Professor Robyn Ewing. **Session:** Semester 2. **Prerequisites:** EDUP2003 Professional Experiences 1 and 20 credit points of professional studies in Primary Education. **Assessment:** There is a range of linked assessment tasks in this UOS. These include lesson design and program design tasks; a written paper based on diary entries that reflects upon your management of learning during your in-school experience, and the successful completion of in-school experience.

This UOS builds upon the work done in Professional Experiences 1 by maintaining a reflective orientation and introducing students to more detailed aspects of planning, assessment and management. The twin themes of 'making links' and 'quality learning for children' will be central.

EDUP 3008 Creative Arts 2

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Robyn Gibson and Associate Professor Robyn Ewing. **Session:** Semester 1. **Prerequisites:** EDUP 1001 Creative Arts 1 and 20 credit points of professional studies in Primary Education. **Assessment:** Unit of work or Resource Kit (80%) and VAPD/Portfolio (20%).

This unit comprises four Creative Arts components: Dance, Drama, Music and Visual Arts. It combines both theoretical and practical/studio work across a range of dance/drama/music/visual art forms.

EDUP 3034 PDHPE 3: The Health Promoting School

4 credit points. B Ed (Primary), UG Study Abroad Program. Ms Jan Milton. **Session:** Semester 2. **Prerequisites:** EDUP2004 and EDUP3001. **Assessment:** Either a unit of work for 5 weeks for a nominated class (4000w) or the acquisition of a First Aid Certificate and two First Aid lesson plans.

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

EDUP 3034 PDHPE 3: The Health Promoting School

4 credit points. B Ed (Primary), UG Study Abroad Program. Ms Jan Milton. **Session:** Semester 2. **Prerequisites:** EDUP2004 and EDUP3001. **Assessment:** Either a unit of work for 5 weeks for a nominated class (4000w) or the acquisition of a First Aid Certificate and two First Aid lesson plans.

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.

EDUP 4074 Mathematics Education 3

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Janette Bobis. **Session:** Semester 1. **Prerequisites:** EDUP2005 and EDUP3004. **Assessment:** Assessment will include (1) the assessment and analysis of a child's mathematics ability using the Schedule for Early Number Assessment (SENA) and the learning Framework in Number for Stage 2 and 3 children (2000w equivalent); and (2) an assessment portfolio documenting a student's mathematical progress over time (2000w equivalent).

This unit of study is the third and final unit in primary mathematics education. It 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 of number. Students will be introduced to suitable assessment instruments and a range of teaching/learning strategies suitable for enhancing the thinking strategies of young children. An in-school component will involve working collaboratively with a partner to assess a child via an individual interview and then prepare and implement a short program of work for the child.

EDUP 4075 Science & Technology (Designing/Making)

4 credit points. B Ed (Primary), UG Study Abroad Program. TBA. **Session:** Semester 1. **Prerequisites:** EDUF1016, EDUF1017 and EDUP3005. **Assessment:** Assessment will be based on two assignments dealing with lesson and unit planning. A small group lesson activity (IOOow) and a unit plan with individual lesson component (2500w).

The focus of this unit is on developing children's interest and skills in understanding and using technology. In particular, it focuses on

4. Education units of study

design as a creative process, founded on an understanding of the natural and physical world, which promotes human purposes. The unit will also identify aspects of curriculum planning, class management, activities and resources particularly relevant to the teaching of technology and emphasise the integration of science and technology within the overall curriculum.

EDUP 4076 **Multiliteracies**

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Alyson Simpson. **Session:** Semester 1. **Prerequisites:** EDUP3006 English 3: Literature and Literacies. **Assessment:** Online discussion of readings, analysis of multimodal text, teaching plan and mentoring project. Through reflection and mentoring, students will discover that their own classroom practices will be a source of lifelong learning.

This unit of study is designed to develop students' understanding of how English K - 6 is a core factor in planning for teaching in an integrated approach across KLA in the primary curriculum. The emphasis will be on understanding that being literate involves the interpretation, production and use of a range of meaning making systems, including language and image. Students will evaluate their theoretical knowledge of principles of English teaching as well as develop their professional and practical skills.

EDUP 4077 **Teaching Children with Special Needs**

4 credit points. B Ed (Primary), UG Study Abroad Program. A/Prof David Evans. **Session:** Semester 2. **Prerequisites:** EDUP3004 and EDUP3006. **Assessment:** Assessment will be in the form of a successful Children's Centre Criteria for assessing programming and teaching a child with special needs. (1500w equivalent). There will also be a two hour examination. Both elements need to be satisfied to achieve a pass grade in the course.

In this unit of study students will develop a rationale for professional decision making through the assessment and teaching of children experiencing learning difficulties. Under supervision of tutors, students will work with individual children to design, implement and evaluate a program that will meet the literacy or numeracy needs of their assigned child

EDUP 4078 **Professional Experiences 4 (Primary)**

6 credit points. B Ed (Primary), UG Study Abroad Program. A/Prof Robyn Ewing, Dr Louise Sutherland. **Session:** Semester 2. **Prerequisites:** EDUP2003 or EDUP2027; EDUP3007; EDUP4079. **Assessment:** Assessment will be in the form of a satisfactory practice teaching report.

This unit is the culmination of professional experience within the BEd and continues students' development as reflective practitioners. In this final practicum it is expected that most students (other than Special Education students) will teach without the in-class supervision of their Co-operating Teacher for the final fifteen days of the session. Students entering the Internship will thus assume the role of the beginning teacher, being responsible for the planning, delivery and management of integrated units across the Key Learning Areas. Tertiary supervision will be through Liaison visits. The Professional Experiences Handbook contains the explicit expectations for this in-school experience.

EDUP 4079 **Professional Experiences 3 (Primary)**

4 credit points. B Ed (Primary), UG Study Abroad Program. A/Prof Robyn Ewing, Dr Robyn Gibson. **Session:** Semester 1. **Prerequisites:** EDUP2003 or EDUP2027 Professional Experiences 1 and EDUP3007 Professional Experiences 2. **Assessment:** Assessment will be in the form of a satisfactory practice teaching report.

Students will be placed in schools for 15 days practicum experience, over three weeks at the end of Semester 1 and will possibly return to the same placement at the end of the year for a further practicum. Before the practice, students will undertake a Beginning to Teach Orientation that will include a one-day, compulsory Teachers Federation Meeting. It is expected that students will have the confidence to plan integrated units across the Key Learning Areas and take responsibility for whole sessions, moving to management of whole days in the final week. Students will be expected to undertake whole class teaching as well as a variety of grouping strategies which are appropriate for the particular group of children they are teaching. Students will evaluate both their own planning and presentation, as well as the children's responses to the learning experiences planned. Lesson observation in the terms of the Professional Experiences Handbook is also expected to be carried out. Students will be supported by their schoolbased cooperating teacher and a tertiary supervisor.

EDUP 4080 **Human Society and its Environment 2**

4 credit points. B Ed (Primary), UG Study Abroad Program. Sandra Newell, Margaret Freund. **Session:** Semester 2. **Prerequisites:** EDUP3002 Human Society and its Environment. **Assessment:** An investigation of the background to a whole school and stage planning of an HSIE program (1000 words). Report on the particular needs of the children in the stage, the resources available and the requirements of the HSIE syllabus to evaluate the stage plan (1000 words). Recommendations and reflections about aspects which need to be retained and those which could be changed so that a new stage plan can be designed (1000 words).

This unit allows students to demonstrate the achievement of the two outcomes of the unit of study. The students will be required to investigate the whole school and stage planning practices of their practicum school. The school plan and stage plan will be critically reflected on in line with the HSIE syllabus requirements, the resources available for the school and the particular learning needs of the children in the particular stage. The student will be required to evaluate the stage plan and make recommendations about which aspects to retain and which to change to maximise the HSIE learning.

Year 4 Options

EDUP 4062 **Gifted and Talented Education A**

4 credit points. B Ed (Primary), UG Study Abroad Program. Associate Professor David Evans. **Session:** Semester 1. **Prerequisites:** 100 credit points of professional studies in Primary Education. **Assessment:** Peer Teaching Task (1200w); Written Task (1500w), Lesson (1200w).

NB: 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

EDUP 4063 **Gifted and Talented Education B**

4 credit points. B Ed (Primary), UG Study Abroad Program. Associate Professor David Evans. **Session:** Semester 2. **Prerequisites:** EDUP4062 Gifted and Talented Education A. **Assessment:** Peer Teaching Task (1500w); Written Task (1000w), Lesson Plan (1000w).

NB: 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.

EDUP 4064 **Cultural Literacies in the Classroom A**

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Alyson Simpson. **Session:** Semester 1. **Prerequisites:** 100 credit points of Professional Studies in Primary Education. **Assessment:** Assessment Journal (1000w), Textual critique (1000w), Practical demonstration (1500w).

NB: Department permission required for enrolment.

This unit will deal with the construction of cultural literacies in popular texts. In this approach to teaching English students will compose, respond to, analyse and evaluate written, spoken, visual and multimedia texts from various perspectives in order to learn how they operate as cultural products (Board of Studies NSW 2002). A key focus will be to highlight the importance of social semiotics, as ways of making meaning, through multi modalities language and image. This will strengthen the student's understanding through explicit teaching of how meaning is constructed in texts. Pedagogical practices will be built on the premise that using texts of popular culture will help to increase the enjoyment, confidence and independence of the language user and learner. Participation in this unit will ground students in the knowledge' skills and understanding of literacy required in the K-6 English syllabus.

EDUP 4065 **Cultural Literacies in the Classroom B**

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Alyson Simpson. **Session:** Semester 2. **Prerequisites:** EDUP4064 Cultural Literacies in the Classroom A. **Assessment:** Action research including unit plan (1000w), action research (1500w), unit trial and portfolio, online discussion (1000w), and final reflection (500w).

NB: Department permission required for enrolment.

The unit continues the work commenced in semester 1 unit Cultural Literacies in the Classroom A. Building on a basis of social semiotic theory students will plan practical teaching activities. This unit is

designed to develop students, critical perspective on the relationship between culture and language by examining the use of popular texts in classrooms. It is designed to scaffold students into the preparation, use and reflection on texts of popular culture in the classroom in simple action research scenario. Through reflection and action research, students will discover that their own classroom practices will be a source of lifelong learning.

EDUP 4066 IT in the Primary Classroom A

4 credit points. B Ed (Primary), UG Study Abroad Program. Mr David Reid. **Session:** Semester 1. **Classes:** 30 hours or its equivalent. **Prerequisites:** 100 credit points of Professional Studies in Primary Education. **Assessment:** Assessment will be based on classroom oriented IT projects (3000w equivalent) and seminar presentation (1000w equivalent).

NB: 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, web site 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

EDUP 4067 IT in the Primary Classroom B

4 credit points. B Ed (Primary), UG Study Abroad Program. Mr Neville Goodwin. **Session:** Semester 2. **Classes:** 30 hours or its equivalent. **Prerequisites:** EDUP4066 IT in the Primary Classroom A. **Assessment:** Assessment will be based on classroom oriented IT projects (3000w equivalent) and seminar presentations (1000w equivalent).

NB: 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.

EDUP 4068 TESOL (A) Special Course

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Paul Dufficy. **Session:** Semester 1. **Prerequisites:** 100 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 quiz; the assessment of a piece of children's writing; the design of a substantial learning sequence; the writing of a rationale for a particular learning design; and presentation to the class based on your learning design.

NB: 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.

EDUP 4069 TESOL (B) Special Course

4 credit points. B Ed (Primary), UG Study Abroad Program. Dr Paul Dufficy. **Session:** Semester 2. **Prerequisites:** EDUP4068 TESOL (A) Special Course. **Assessment:** There are three assessment tasks in this unit. They are: a vocabulary design task; the development of a program for teaching a novel; and a research project.

NB: Department permission required for enrolment.

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 during Internship.

EDUP 4070 Integrative Arts (A) Special Course

4 credit points. B Ed (Primary), UG Study Abroad Program. A/Prof Robyn Ewing, Dr Robyn Gibson. **Session:** Semester 1. **Prerequisites:** EDUP 1001 Creative Arts 1 & EDUP3008 Creative Arts 2. **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.

NB: 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 BEd (Primary) program. Integrative Arts Special Course comprises Integrative Arts A (Semester

1) and Integrative Arts B (Semester 2). In Semester 1, there are ten face-to-face hours. In Semester 2, students will have a five week, 'in-school' experience. The remaining weeks will be devoted to workshops, presentations, etc

EDUP 4071 Integrative Arts (B) Special Course

4 credit points. B Ed (Primary), UG Study Abroad Program. A/Prof Robyn Ewing, Dr Robyn Gibson. **Session:** Semester 2. **Prerequisites:** EDUP4070 Integrative Arts (A) Special Course. **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 4 unit course. Criteria will be negotiated. School based experiences are mandatory.

NB: 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. This will involve team teaching in a school context for five weeks of the semester. Students will be able to work directly with a group of children to plan, implement and reflect on the teaching of Creative Arts.

EDUP 4072 Koori Kids in School A (Special Course)

4 credit points. B Ed (Primary), UG Study Abroad Program. Sharon Galleguillos. **Session:** Semester 1. **Prerequisites:** 100 credit points of Professional Studies in Primary Education. **Assessment:** Development of an Indigenous Studies Resource Kit (1500w) and a Unit of Work for a considerable Aboriginal Perspective (1500w).

NB: Department permission required for enrolment.

This unit of study will build on the knowledge gained in the Indigenous Australian Education course. The focus of this course will be to develop specialised skills in the development and implementation of Aboriginal Studies resource into the classroom. The unit will be structured so that students participate in an intensive workshop located within an Aboriginal community setting. Students will be guided in the application of more extensive consultative mechanisms with Aboriginal communities, organisations and individuals.

EDUP 4073 Koori Kids in School B (Special Course)

4 credit points. B Ed (Primary), UG Study Abroad Program. Sharon Galleguillos. **Session:** Semester 2. **Prerequisites:** EDUP4072 Koori Kids in School A. **Assessment:** Development of an Indigenous Studies Resource Kit (1500w) and a Unit of Work for a considerable Aboriginal Perspective (1500w).

NB: 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 specialised skills in the development and implementation of Aboriginal Studies resources into the Primary classroom. The unit of study will be structured so that students participate in an intensive workshop located within an Aboriginal community setting. Students will be guided in the application of more extensive consultative mechanisms with Aboriginal communities, organisations and individuals.

Education Exchange

Year 2 Education Exchange

EDUF 2551 Education Exchange

2 credit points. B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Primary: Languages), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych). **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

EDUF 2552 Education Exchange

4 credit points. B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Primary: Languages), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych). **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

EDUF 2553 Education Exchange

6 credit points. B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Primary: Languages), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych). **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

EDUF 2555 Education Exchange

8 credit points. B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Year 3 Education Exchange

EDUF 3551 Education Exchange

2 credit points. B Ed (H M H E), B Ed (H M H E), B Ed (Primary), B Ed (Primary: Languages), B Ed (Sec), B A, B Ed (Sec), B Ec (Soc Sc), B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych). **Session:** Semester 1, Semester 2

Table of Bachelor of Education units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Education 1 (All Education Students)							
EDUF 1018	Education, Teachers and Teaching	6	NEDUF1011				Semester 1
EDUF 1019	Human Development and Education	6	NEDUF1012				Semester 2
Science Foundations (Primary students)							
EDUF 1016	Science Foundations 1	6	NEDUF1014				Semester 1
EDUF 1017	Science Foundations 2	6	P EDUF 1016 Science Foundations 1 NEDUF1015				Semester 2
Education 2 (All Education Students)							
EDUF 2006	Educational Psychology	6	P EDUF 1011 and EDUF1012 or EDUF 1018 and EDUF1019 or 30 junior credit points				Semester 1
EDUF 2007	Social Perspectives on Education	6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points				Semester 2
Education 3 Options							
(All Education Students - Compulsory Units)							
EDUF 3031	Positive Approaches to Special Education	6	P 42 credit points				Semester 1b, Semester 2a, Semester 2b
EDUF 4044	Reading and Designing Research	6	P 120 credit points including (EDUF2005 or EDUF2006) and (EDUF2002 or EDUF2007)				Semester 1, Semester 2
Education 3 Options (All Education Students - Options)							
EDUF 3023	Sports, Leisure and Youth	6	P 42 credit points				Semester 1
EDUF 3024	Adolescent Development	6	P 42 credit points and EDUF1019				Semester 2
EDUF 3026	Global Poverty and Education	6	P 42 credit points.				Semester 1
EDUF 3027	International Education	6	P 42 credit points				Semester 2
EDUF 3028	Mentoring in Educational Contexts	6	P 42 credit points.				Semester 1
EDUF 3029	Psychology of Learning and Teaching	6	P 42 credit points and EDUF 2006.				Semester 2
EDUF 3030	Australian Secondary Schooling	6	P 42 credit points				Semester 1
EDUF 3032	Curriculum and Evaluation	6	P 42 credit points				Semester 2
EDUF 3033	Problems of Knowledge and Ethics	6	P 42 credit points				Semester 1
Education 3 (International Students Only)							
EDUF 3034	Australian Theatre, Film and Learning	6	NB: Available to Study Abroad students only.				Semester 1, Semester 2
Secondary: Combined Degrees (BEd/BA, BEd(Maths)/BSc, BEd(Sc)/BSc)							
Year 2 Professional Studies (Compulsory Units)							
EDSE 2001	Craft Knowledge and Prof Practices 1	6	P 42 Credit Points including 12 Credit Points of Education				Semester 1a
Year 3 Professional Studies (Compulsory Units)							
EDSE 2001	Craft Knowledge and Prof Practices 1	6	P 42 Credit Points including 12 Credit Points of Education				Semester 1a
EDSE 3055	Professional Experience 1	6	P 48 Credit Points including 18 Credit Points of Education				Semester 1b

4. Education units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
Year 3 Curriculum Units				
EDSE 3037	Teaching Visual Arts 1A	6	P 18 credit points of Education + 16 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds NB: Department permission required for enrolment.	Semester 1b
EDSE 3038	Teaching Visual Arts IB	6	P 18 credit points of Education & 16 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds.	Semester 1b
EDSE 3056	Teaching Visual Arts 2A	6	P EDSE3037 Teaching Visual Arts 1A and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds. NB: Department permission required for enrolment.	Semester 2
EDSE 3057	Teaching Visual Arts 2B	6	P EDSE3037 Teaching Visual Arts IA & EDSE3038 Teaching Visual Arts IB and Practical art course taken at The Tin Sheds C Advanced practical art course taken at The Tin Sheds NB: Department permission required for enrolment.	Semester 2
EDSE 3040	Teaching History 1	6	P 48 credit pts including 18 credit pts of Education and 16 Senior credit pts of History.	Semester 1b
EDSE 3058	Teaching History 2	6	P EDSE3040 Teaching History 1 + 16 senior credit points of History.	Semester 2
EDSE 3041	Teaching Geography 1	6	P 48 credit pts including 18 credit pts of Education and 12 Intermediate credit pts of Geography	Semester 1b
EDSE 3059	Teaching Geography 2	6	P EDSE3041 Teaching Geography 1 + 12 intermediate credit point of geography	Semester 2
EDSE 3042	Teaching Drama 1	6	P 48 credit pts including 18 credit pts of Education and 16 Senior credit pts of Performance Studies	Semester 1b
EDSE 3060	Teaching Drama 2	6	P EDSE3042 Teaching Drama 1 + 16 senior credit points of Performance Studies	Semester 2
EDSE 3043	Teaching TESOL 1	6	P 18 credit pts of Education + 28 credit pts of either English, Linguistics or Languages.	Semester 1b
EDSE 3061	Teaching TESOL 2	6	P EDSE3043 Teaching TESOL 1 + 28 credit pts of either English, Linguistics or Languages.	Semester 2
EDSE 3044	Teaching English 1	6	P 48 Credit Points including 18 credit points of Education and 16 Senior credit pts of English or Australian Literature	Semester 1b
EDSE 3062	Teaching English 2	6	P EDSE3044 Teaching English 1 + 16 senior credit points of English.	Semester 2
EDSE 3045	Teaching Mathematics 1A	6	P 18 credit points of Education and 24 credit points of Mathematics	Semester 1b
EDSE 3046	Teaching Mathematics IB	6	P 18 credit points of Education and 24 credit points of Mathematics.	Semester 1b
EDSE 3063	Teaching Mathematics 2A	6	P EDSE 3045 + 12 credit points of intermediate maths or statistics	Semester 2
EDSE 3064	Teaching Mathematics 2B	6	P EDSE 3045 Teaching Mathematics IA, EDSE3046 Teaching Mathematics IB, and 12 credit points of intermediate mathematics or statistics C EDSE3063 Teaching Mathematics 2A	Semester 2
EDSE 3047	Teaching Languages 1A	6	P 18 credit pts of Education + 28 credit pts of languages	Semester 1b
EDSE 3048	Teaching Languages IB	6	P 18 credit pts of Education + 28 credit pts of Languages	Semester 1b
EDSE 3065	Teaching Languages 2A	6	P EDSE3047 Teaching Languages IA and 16 senior credit points of languages	Semester 2
EDSE 3071	Teaching Languages 2B	6	P EDSE3047 Teaching Languages IA and EDSE3048 Teaching Languages IB and 16 senior credit points of languages C EDSE3065	Semester 2
EDSE 3049	Teaching Computer Studies 1	6	P 18 credit points of Education + 24 credit points Computer Studies	Semester 1b
EDSE 3066	Teaching Computer Studies 2	6	P EDSE3049 Teaching Computer Studies 1 and 12 intermediate credit points of computer studies	Semester 2
EDSE 3050	Teaching Commerce/Economics 1	6	P 48 credit pts including 18 credit pts of Education and 16 Intermediate credit pts of Economics or Commerce or Government or Political Economy or Work	Semester 1b
EDSE 3067	Teaching Commerce/Economics 2	6	P EDSE3050 Teaching Commerce/Economics 1 and 16 senior credit points of economics or commerce or government or political economy or work studies	Semester 2
EDSE 3051	Teaching Science 1 (Core)	6	P 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 and 18 credit points of Education.	Semester 1b
EDSE 3068	Teaching Science 2 (Core)	6	P EDSE3051 Teaching Science 1 (Core) and 12 intermediate credit points of science	Semester 2
EDSE 3052	Teaching Science Elective (Chemistry)	6	P 12 intermediate credit points of Chemistry & 12 credit points of Mathematics & 18 credit points of Education C EDSE3051 Teaching Science 1 (Core)	Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EDSE 3053 Teaching Science Elective (Senior Sci)	6		P 24 intermediate credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 18 credit points of Education. C EDSE3051 Teaching Science 1 (Core)				Semester 1b, Semester 2
EDSE 3054 Teaching Science Elective (Biology)	6		P 12 intermediate credit points Biology and 18 credit points of Education. C EDSE3051 Teaching Science 1 (Core)				Semester 1b
EDSE 3069 Teaching Jewish Studies 1	6		P 16 senior credit points of Jewish Civilisation, Thought and Culture				Semester 1b
EDSE 3070 Teaching Jewish Studies 2	6		P EDSE3069 Teaching Jewish Studies 1 & 16 Senior Credit Points of Jewish Civilisation, Thought and Culture				Semester 2

Year 4 Professional Studies (Compulsory Units)

EDSE 4039 Craft Knowledges and Prof Practices 2	6		P EDSE3002 Craft Knowledge and Professional Practices 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035.				Semester 2
EDSE 4036 Professional Experience 2	2		P 48 credit points including 20 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021,4022,4023,4024,4025,4026,4027,4028,4029,4030,4031,4032,4033, 4034, 4035.				Semester 2
EDSE 4037 Professional Experience 3	2		P 96 credit points including 52 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021,4022,4023,4024,4025,4026,4027,4028,4029,4030,4031,4032,4033, 4034, 4035. C EDSE4036 Professional Experience 2 and EDSE4038 Curriculum 4.				Semester 2
EDSE 4038 Curriculum 4: Information Technology	8		P 48 Credit points including 20 credit points of Education & two of the following: EDSE4021,4022,4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. C EDSE4039, 4036 and 4037				Semester 2

Year 4 Curriculum Units

EDSE 4021 Teaching Visual Arts 3 A	6		P EDSE3037 Teaching Visual Arts 1A and EDSE3005 Teaching Visual Arts 2A				Semester 1 a
EDSE 4022 Teaching Visual Arts 3B	6		P EDSE3005 Teaching Visual Arts 2A & EDSE3039 Teaching Visual Arts 2B and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds. NB: Department permission required for enrolment.				Semester 1a
EDSE 4023 Teaching History 3	6		P EDSE3040 Teaching History 1 & EDSE3007 Teaching History 2				Semester 1a
EDSE 4024 Teaching Geography 3	6		P EDSE3041 Teaching Geography 1 & EDSE3009 Teaching Geography 2				Semester 1a
EDSE 4025 Teaching Drama 3	6		P EDSE3042 Teaching Drama 1 & EDSE3011 Teaching Drama 2 + 16 credit pts of Performance Studies				Semester 1a
EDSE 4026 Teaching TESOL 3	6		P EDSE3043 Teaching TESOL 1 & EDSE3013 Teaching TESOL 2				Semester 1a
EDSE 4027 Teaching English 3	6		P EDSE3044 Teaching English 1 & EDSE3015 Teaching English 2.				Semester 1a
EDSE 4028 Teaching Mathematics 3A	6		P EDSE3045 Teaching Mathematics 1A & EDSE3018 Teaching Mathematics 2A				Semester 1a
EDSE 4029 Teaching Mathematics 3B	6		P EDSE3018 Teaching Mathematics 2A or EDSE3063 Teaching Mathematics 2A and EDSE3019 Teaching Mathematics 2B or EDSE3064 Teaching Mathematics 2B				Semester 1a
EDSE 4030 Teaching Languages 3A	6		P EDSE3022 Teaching Languages 2A				Semester 1a
EDSE 4031 Teaching Languages 3B	6		P EDSE3022 Teaching Languages 2A & EDSE3023 Teaching Languages 2B				Semester 1a
EDSE 4032 Teaching Computer Studies 3	6		P EDSE3049 Teaching Computer Studies 1 & EDSE3025 Teaching Computer Studies 2				Semester 1a
EDSE 4033 Teaching Commerce/Economics 3	6		P EDSE3050 Teaching Commerce/Economics 1 & EDSE3029 Teaching Commerce/Economics 2				Semester 1a
EDSE 4034 Teaching Science 3 (Core)	6		P EDSE3051 Teaching Science 1 (Core) & EDSE3031 Teaching Science 2 (Core)				Semester 1a
EDSE 4035 Teaching Science 4 (Sci Hist & Phil)	6		P EDSE3031 Science Curriculum 2 (Core)				Semester 1

Year 5 Professional Studies (Compulsory Units)

EDSE 5008 Internship	6		P 96 credit points including 52 of Education and EDSE3003 Professional Experience 1, EDSE4036 Professional Experience 2 and EDSE4037 Professional Experience 3				Semester 1, Semester 2b
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Year 5 Curriculum Units

EDSE 5001 TESOL as a Third Teaching Area	12		P 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English.				Semester 2
EDSE 5009 TESOL Professional Experience	6		P 96 credit points including 52 of Education and 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English.				Semester 2
EDSE 5010 Meeting the Needs of Cultural Diversity	12		P 96 credit points including 52 credit points of Education.				Semester 2

4. Education units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EDGU 2000 Teaching English Internationally 1	6		P 96 credit points including 52 credit points of Education				Semester 2
EDGU 3000 Teaching English Internationally 2	6		P 96 credit points including 52 credit points of Education				Semester 2

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

Year 2 Professional Studies (Compulsory Units)

EDSP 2001 Counselling Practicum 1	2	P	48 credit points including 12 credit points of Education and PSYC1001 & PSYC1002				Semester 1, Semester 2
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Year 3 Professional Studies (Compulsory Units)

EDSP 3001 Teaching Practicum 1	2	P	48 credit points including 18 credit points of Education and EDSP3002 Teaching and Learning (Psychology)				Semester 2
EDSP 3002 Teaching and Learning (Psychology)	4	P	48 credit points including 18 credit points of Education and 24 credit points of Psychology				Semester 1

Year 4 Professional Studies (Compulsory Units)

EDSP 4001 Psychological and Educational Assessment	6	P	Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; EDSP2001,3002.				Semester 1
EDSP 4002 Behaviour Assessment and Interventions	6	P	Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; EDSP2001,4001.				Semester 2
EDSP 4003 Counselling Practicum 2	2	P	Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; EDSP2001. C EDSP4004 Teaching Practicum 2				Semester 2
EDSP 4004 Teaching Practicum 2	4	P	48 credit points including 18 credit points of Education, EDSP3001 & One of the following: EDSE4021, 4023, 4025, 4026, 4027, 4028, 4030, 4034, C EDSP4003 Counselling Practicum 2				Semester 2

Year 5 Professional Studies (Compulsory Units)

EDSP 5001 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
EDSP 5002 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
EDSP 5003 Counselling Practicum 3	2	P	Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education				Semester 1
EDSP 5004 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

EDUH 1001 Foundations of PDHPE	6						Semester 1
EDUH 1002 Motor Skill Acquisition	3						Semester 2
EDUH 1003 Practical Study in Physical Education 1	3						Semester 2
EDUH 1016 Human Bioscience	6	N	BIOL 1003, BIOL 1903				Semester 2
EDUH 1017 Sports Mechanics	6		A No assumed knowledge of Physics N PHYS1001, PHYS1002, PHYS1901				Semester 1

Year 2 Curriculum & Professional Studies

EDUH 2001 Applied Anatomy and Physiology	4	P	EDUH1016 Human Bioscience				Semester 2
EDUH 2005 Determinants of Health	4	P	36 credit points including 12 credit points from Education				Semester 2
EDUH 2006 Practical Studies in PE 2	6	P	3 6 credit points including EDUH 1003				Semester 1
EDUH 2027 Teaching and Learning in PDHPE 1	6	P	36 Junior credit points including 12 from Education.				Semester 1
EDUH 2028 School Experience 1	4	P	36 Junior credit points including 12 from Education.				Semester 2

Year 3 Curriculum & Professional Studies

EDUH 3001 Practical Studies in PE 3	4	P	60 credit points including EDUH2006				Semester 1
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<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EDUH 3002 Practical Studies in PE 4	4		P 60 credit points including EDUH2006 and EDUH3001				Semester 2
EDUH 3003 School Experience II	4		P 60 credit points including EDUH2004 School Experience I				Semester 2
EDUH 3004 Psychosocial Health Issues	4		P 60 credit points including EDUH2005 Determinants of Health.				Semester 1
EDUH 3006 Teaching and Learning in PDHPE 2	4		P 60 credit points including EDUH2007 or EDUH2027, Teaching and Learning in PDHPE .				Semester 1
EDUH 3014 Assessment and Evaluation in PDHPE	4		P 60 credit points including EDUH2007 or EDUH2027, Teaching and Learning in PDHPE.				Semester 2
EDUH 3027 Exercise Physiology	6		P 40 credit points of professional studies in HMHE including EDUH2001 Applied Anatomy & Physiology.				Semester 1
EDUH 3028 Adolescent Health Issues	6		P 40 credit points of professional studies in HMHE including EDUH2005 Determinants of Health.				Semester 2

Year 4 Curriculum & Professional Studies

EDUH 4047 Outdoor Education	6		P 60 credit points of professional studies in HMHE.				Semester 1
EDUH 4048 Professional Experiences in PDHPE 3	6		P 60 credit points of professional studies in HMHE including EDUH3006 and either EDUH2007 or EDUH2027 and.				Semester 1
EDUH 4049 Advanced Physical Education Pedagogy	6		P 60 credit points of professional studies in HMHE.				Semester 2
EDUH 4050 Sports Medicine	6		P 60 credit points of professional studies in HMHE.				Semester 2
EDUH 4051 Community Health Issues	6		P 60 credit points of professional studies in HMHE including either EDUH3005 or EDUH3028.				Semester 2

Year 4 Options

EDUH 4052 Learning in Outdoor Education	6		P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.				Semester 1, Semester 2, Winter
EDUH 4053 Indigenous Sport, Education and Culture	6		P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.				Semester 1, Winter, Semester 2
EDUH 4054 Issues in Nutrition Education	6		P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.				Semester 2
EDUH 4055 Fitness Training: Theory and Practice	6		P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.				Semester 1
EDUH 4056 Recreation Leadership and Management	6		P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.				Semester 1
EDUH 4057 Administration of PDHPE and Sport	6		P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.				Semester 2
EDUH 4058 Sport and Learning in Australian Culture	6		P 40 credit points NB: Department permission required for enrolment.				Semester 2, Semester 1

BEI(Secondary: Design and Technology)

Year 3 Professional Studies (Compulsory Units)

EDDT 3001 Design Fundamentals 2A	12		P EDDT2009 & EDDT2010 NB: Classes follow TAFE enrolment pattern				Semester 1
EDDT 3002 Design Fundamentals 2B	12		P EDDT2009 & EDDT2010 & EDDT3001 NB: Classes follow TAFE enrolment pattern				Semester 2
EDDT 3003 Teaching Technology 2A	4		P EDDT2005 & EDDT2006				Semester 1
EDDT 3004 Teaching Technology 2B	4		P EDDT2005 & EDDT2006 & EDDT3003				Semester 2
EDDT 3005 Professional Experience A	4						Semester 2

Year 4 Professional Studies (Compulsory Units)

EDDT 4001 Teaching and Learning 2 (D & T)	8		P EDDT2007 Teaching and Learning 1 (D&T) or EDSE3002 Craft Knowledge & Professional Practice 1				Semester 1
EDDT 4003 Teaching Technology 3A	2		P EDDT2005 Teaching Technology 1A, EDDT2006 Teaching Technology 1B, EDDT3003 Teaching Technology 2A and EDDT3004 Teaching Technology 2B.				Semester 1
EDDT 4004 Teaching Technology 3B	2		P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching; Technology 2A & 2B and EDDT4003 Teaching Technology 3A.				Semester 2
EDDT 4014 Graduating Design Project	10		P 72 credit points of Design and Technology Education Units				Semester 2

4. Education units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
EDDT 4015 Professional Experience B	2		P EDDT3005 Professional Experience A				Semester 2
Year 4 Curriculum Units							
EDDT 4005 Food Science 3	3		P EDDT2003 Food Science 1 and EDDT2004 Food Science 2				Semester 1
EDDT 4004 Teaching Technology 3B	2		P EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4003 Teaching Technology 3A.				Semester 2
EDDT 4007 Software Design & Development 1	3						Semester 1
EDDT 4008 Software Design & Development 2	3		P EDDT4007 Software Design and Development 1				Semester 2
EDDT 4009 Teaching Tech (VET - IT) 1	3		P EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B.				Semester 1
EDDT 4010 Teaching Tech (VET - IT) 2	3		P EDDT2005,2006 Teaching Technology 1A & IB and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4009 Teaching Tech (VET-IT) 1.				Semester 2
EDDT 4011 Teaching Tech (VET - Hosp) 1	3		P EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B				Semester 1
EDDT 4012 Teaching Tech (VET - Hosp) 2	3		P EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B				Semester 2
BEd(Primary)							
Year1							
EDUP 1001 Creative Arts 1	6						Semester 2
EDUP 1002 Teaching and Learning: Literacy (Intro)	6						Semester 1
Year 2 Curriculum & Professional studies							
EDUP 2002 English 2: Writing as Social Practice	4		P EDUP 1002 Teaching and Learning: Literacy				Semester 1
EDUP 2004 PDHPE1: Physical Activity	4						Semester 1, Semester 2
EDUP 2005 Mathematics 1: Exploring Early Number	4						Semester 1, Semester 2
EDUP 2006 Indigenous Australian Education	4						Semester 1
EDUP 2027 Beginning Professional Experiences	8		P EDUP 1002 Teaching and Learning: Literacy (Intro)				Semester 2
Year 3 Curriculum & Professional studies							
EDUP 3001 PDHPE 2: Active Healthy Primary Schools	4		P EDUP2004 PDHPE 1: Physical Activity and 20 credit points of professional studies in Primary Education				Semester 1
EDUP 3002 Human Society and its Environment	4		P 20 credit points of professional studies in Primary Education				Semester 1
EDUP 3003 Teaching in Multilingual Classrooms	4		P 20 credit points of professional studies in Primary Education				Semester 1
EDUP 3004 Mathematics2: Space and Measurement	4		P EDUP2005 Mathematics 1 and 20 credit points of professional studies in Primary Education				Semester 2
EDUP 3005 Investigating in Science and Technology	4		P EDUF1016 & EDUF 1017 and 20 credit points of professional studies in Primary Education				Semester 2
EDUP 3006 English 3: Literature and Literacies	4		P EDUP 1002 Teaching and Learning: Literacy (Intro), EDUP 2002 English 2 and 16 credit points of professional studies in Primary Education				Semester 2
EDUP 3007 Professional Experiences 2 (Primary)	4		P EDUP2003 Professional Experiences 1 and 20 credit points of professional studies in Primary Education				Semester 2
EDUP 3008 Creative Arts 2	4		P EDUP 1001 Creative Arts 1 and 20 credit points of professional studies in Primary Education				Semester 1
EDUP 3034 PDHPE 3: The Health Promoting School	4		P EDUP2004 and EDUP3001				Semester 2
Year 4 Curriculum and Professional Studies							
EDUP 3034 PDHPE 3: The Health Promoting School	4		P EDUP2004 and EDUP3001				Semester 2
EDUP 4074 Mathematics Education 3	4		P EDUP2005 and EDUP3004.				Semester 1
EDUP 4075 Science & Technology (Designing/Making)	4		P EDUF1016, EDUF1017 and EDUP3005				Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
EDUP 4076 Multiliteracies	4	P EDUP3006 English 3: Literature and Literacies.	Semester 1
EDUP 4077 Teaching Children with Special Needs	4	P EDUP3004 and EDUP3006	Semester 2
EDUP 4078 Professional Experiences 4 (Primary)	6	P EDUP2003 or EDUP2027; EDUP3007; EDUP4079	Semester 2
EDUP 4079 Professional Experiences 3 (Primary)	4	P EDUP2003 or EDUP2027 Professional Experiences 1 and EDUP3007 Professional Experiences 2	Semester 1
EDUP 4080 Human Society and its Environment 2	4	P EDUP3002 Human Society and Its Environment.	Semester 2
Year*4 Options			
EDUP 4062 Gifted and Talented Education A	4	P 100 credit points of professional studies in Primary Education NB: Department permission required for enrolment.	Semester 1
EDUP 4063 Gifted and Talented Education B	4	P EDUP4062 Gifted and Talented Education A NB: Department permission required for enrolment.	Semester 2
EDUP 4064 Cultural Literacies in the Classroom A	4	P 100 credit points of Professional Studies in Primary Education NB: Department permission required for enrolment.	Semester 1
EDUP 4065 Cultural Literacies in the Classroom B	4	P EDUP4064 Cultural Literacies in the Classroom A. NB: Department permission required for enrolment.	Semester 2
EDUP 4066 IT in the Primary Classroom A	4	P 100 credit points of Professional Studies in Primary Education NB: Department permission required for enrolment.	Semester 1
EDUP 4067 IT in the Primary Classroom B	4	P EDUP4066 IT in the Primary Classroom A. NB: Department permission required for enrolment.	Semester 2
EDUP 4068 TESOL (A) Special Course	4	P 100 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 NB: Department permission required for enrolment.	Semester 1
EDUP 4069 TESOL (B) Special Course	4	P EDUP4068 TESOL (A) Special Course NB: Department permission required for enrolment.	Semester 2
EDUP 4070 Integrative Arts (A) Special Course	4	P EDUP 1001 Creative Arts 1 & EDUP3008 Creative Arts 2 NB: Department permission required for enrolment.	Semester 1
EDUP 4071 Integrative Arts (B) Special Course	4	P EDUP4070 Integrative Arts (A) Special Course. NB: Department permission required for enrolment.	Semester 2
EDUP 4072 Koori Kids in School A (Special Course)	4	P 100 credit points of Professional Studies in Primary Education NB: Department permission required for enrolment.	Semester 1
EDUP 4073 Koori Kids in School B (Special Course)	4	P EDUP4072 Koori Kids in School A NB: Department permission required for enrolment.	Semester 2
Education Exchange			
Year 2 Education Exchange			
EDUF 2551 Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 2552 Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 2553 Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 2555 Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Year 3 Education Exchange			
EDUF 3551 Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 3552 Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 3553 Education Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
EDUF 3554 Education Exchange	24	NB: Department permission required for enrolment.	Semester 2, Semester 1
EDUF 3555 Education Exchange	8	NB: Department permission required for enrolment.	Semester 2, Semester 1
Year 4 Education Exchange			
EDUF 4551 Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 4552 Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 4553 Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2

4. Education units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
EDUF 4555	Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Year 5 Education Exchange				
EDUF 5551	Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5552	Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5553	Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5555	Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5556	Education Exchange	24	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Arts units of study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Aboriginal Studies

KOCR 2600 Indigenous Australia: An Introduction

6 credit points. B A, B S W, UG Study Abroad Program, UG Summer/Winter School. Ms Blanchard. **Session:** Semester 2, Summer, Semester 1. **Classes:** 2 lee & 1 x 1hr tut/wk. **Prerequisites:** 18 Junior credit points. **Prohibitions:** KOCR2100. **Assessment:** Seminar, journal, essay.

The unit will focus on Aboriginal life since colonisation. It will address issues of the construction of race, impact of colonisation and Aboriginal resistance. The focus will also include the effects of legislation, government policies and social movements. The relationship to land, spirituality and systems of belief form the foundations of this unit. The structure of Aboriginal societies, cultural practices and maintenance stand beside issues of ownership of knowledge as well as consideration of the lived experience of Indigenous Australians in the political context.

A number of Aboriginal speakers will present during the semester. Films will also be shown on specific topics.

KOCR 2601 Indigenous Australia: Land and Culture

6 credit points. B A, UG Study Abroad Program. Ms Blanchard. **Session:** Semester 2. **Classes:** 2 lee & 1 x 2hr tut/wk. **Prerequisites:** KOCR2100 or KOCR2600. **Prohibitions:** KOCR2101. **Assessment:** Cultural icon exercise, seminar presentation, essay. This unit of study will focus on issues pertaining to indigenous cultural maintenance in a contemporary context. Cultural maintenance is examined from a holistic perspective. Themes explored include Native Title, Identity and International comparative land issues, Sport, Art.

KOCR 2602 Issues in Indigenous Rights

6 credit points. B A, UG Study Abroad Program. Ms Blanchard. **Session:** Semester 2. **Classes:** 2 x 2hr seminars. **Prerequisites:** KOCR2100 or KOCR2600. **Prohibitions:** KOCR2102. **Assessment:** Media file, research project and exhibition.

In this unit policy development in Aboriginal and Torres Strait Islander Affairs is examined from historical as well as contemporary perspectives. This unit focuses on important issues, which impact on policy development for Australian Indigenous people within the context of Indigenous as well as non-Indigenous power and knowledge bases. Major themes to be examined include Indigenous self-determination, communication and consultation processes in Indigenous Australian communities, frameworks of research in regard to Indigenous people and communities, mediation, conflict resolution and change in the face of contrasting (Indigenous and non-Indigenous) world views. It will also explore Indigenous leadership and community power bases, intercultural and cross-cultural issues in view of working within Australian Indigenous communities, organisations and enclaves.

KOCR 2603 Indigenous Health and Communities

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** KOCR2100 or KOCR2600. **Prohibitions:** KOCR2111.

KOCR 2604 Colours of Identity: Indigenous Bodies

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** KOCR2100 or KOCR2600.

KOCR 2605 Speaking Gamilaraay 1

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** KOCR2100 or KOCR2600.

KOCR 2606 Torres Strait Histories and Experiences

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** KOCR2100 or KOCR2600.

KOCR 2607 Indigenous Creative Expression

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** 18 Junior credit points.

KOCR 3601 Indigenous Research Practice

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** KOCR2100 or KOCR2600.

KOCR 3604 International Indigenous Studies

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 2. **Corequisites:** KOCR2100 or KOCR2600.

Ancient History

ANHS 1003 Foundations for Ancient History: Greece

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr. A. Blanchard, Dr J. Kindt. **Session:** Semester 1. **Classes:** 2 lee and 1 tut/wk. **Assessment:** Class Paper (2000 wds); 2.5 hour exam; other prescribed classwork.

This unit of study seeks to reconstruct the social and political history of the men and women of Archaic and Classical Greece through their literature, monuments and traditions. The approach will be thematic rather than chronological, with a concentration on such aspects as religion; social values; developments of law and government; warfare as a social experience and physical reality; competition; the development of natural science, medicine and philosophy and the changing patterns of life in the Greek states and Greece as a whole.

ANHS 1004 Power and Persuasion: Near East and Rome

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee and 1 tut/wk. **Assessment:** Class Paper (2000 wds); 2.5 hour exam; other prescribed classwork.

Roman History is divided between 'free' Republic and 'autocratic' Empire. The Republic was a system of persuading Romans they were free. The Empire was a system of persuading Romans to accept autocracy. In both periods it was not merely Romans who had to be persuaded: the Roman Empire was a system of world power and world persuasion. Between the Gracchi and the Julio-Claudian emperors the world changed.

ANHS 1801 Ancient History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ANHS 2603 Ancient Greek Democracies

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr A. Blanchard. **Session:** Semester 2. **Classes:** 2 lect and 1 tut/wk. **Prerequisites:** 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE. **Prohibitions:** ANHS2003. **Assessment:** class paper (2500 wds); 2.5 hour exam; other prescribed classwork.

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

This unit studies the rise and working of democracy in ancient Greece, examining Athens from the time of Solon through the fifth century and into the fourth century B.C. We shall look at the history of Athens and her relation to other cities, and evaluate the evidence of historians and of inscriptions. Athenian political institutions and social history, including the role of the theatre, looking at both tragedy and comedy, the role of other festivals and the law and the lives of the elite and the "forgotten people", such as women and slaves, will be considered.

ANHS 2607 Rome 90 BC-AD 14: Making a World City

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Welch, Ms Muecke. **Session:** Semester 1. **Classes:** 2 lee and 1 tut/wk. **Prerequisites:** 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE. **Prohibitions:** ANHS2007. **Assessment:** class paper (2500 wds); 2.5 hour exam; other prescribed classwork.

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

'For the Romans, the extent of the City is the world'. So wrote Ovid late in the lifetime of Augustus. But Rome was not always a world city. It had to become one. The century in which the city established itself as the leading urban centre of the Mediterranean was one marked by civil wars and social upheaval. We focus in this unit on the lives and careers of key figures, on contemporary works of literature and above all on the physical transformation of Rome into a world capital.

ANHS 2608 The World Turned Upside Down

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr P Brennan, Dr L. Olson. **Session:** Semester 2. **Classes:** 2 lee and 1 tut/wk. **Prerequisites:** 12 junior credit points of ANHS or HSTY or ASNS OR 6 junior credit points of ANHS or HSTY or ASNS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE. **Prohibitions:** HSTY2024. **Assessment:** class paper (2500 wds); 2.5 hour exam; other prescribed classwork.

5. Undergraduate units of study

This is the story of the transformation from the Roman to the medieval European world c.AD 150-800, told mainly through the works and artefacts of those who lived the transformation. We shall focus on three themes: authority structures, identities and frontiers; and shall test two propositions: that the Roman underworld and the barbarian outerworld turned the old world upside down in the formation of medieval culture and that this world underwent deep structural change in the third and seventh centuries AD.

ANHS 2691 Ancient Historians Rethink History I

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr P. Brennan. **Session:** Semester 1. **Classes:** 2 lee & 1 tut/wk. **Prerequisites:** Credit average in 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE. **Prohibitions:** ANHS2901, HSTY2901, HSTY2691. **Assessment:** 1x essay (2500 wds); 15 hour exam, other prescribed classwork.

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

The nature, purpose and use of history is constantly being rethought. We begin with the historian buffeted by the winds of modern life, theory and the forces of history. The aim is to familiarise you with major theories and theorists underpinning different approaches to history through the ages down to present times.

Students may not do both ANHS 2691 and HSTY 2691, but either unit is acceptable as a pre-requisite for doing honours in either History or Ancient History.

ANHS 2692 Ancient Historians Rethink History 2

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr J. Kindt, Dr P. Brennan. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Prerequisites:** Credit average in 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE. **Prohibitions:** ANHS2902. **Assessment:** 1x essay (2500 wds); 15 hour exam, other prescribed classwork.

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

Ancient historians wrote within their own contexts. This semester investigates not only the context of major ancient historians (such as Herodotus, Thucydides, Sallust, Livy, Tacitus) but also how modern historians, under the influence of theories, theorists and approaches studied in first semester, have seen these ancient historians. A major research essay with a strong historiographical orientation will give practice in writing ancient history in the contemporary world.

ANHS 2804 Ancient History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ANHS 2805 Ancient History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ANHS 2806 Ancient History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ANHS 2810 Ancient History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

ANHS 2811 Ancient History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ANHS 3603 Documents and Ancient History (Greek)

6 credit points. B A, Dip Arts. Dr A. Blanshard. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (GRKA 1002 or GRKA 2612) OR Credit average in 18 senior credit points of GRKA. **Prohibitions:** ANHS3903. **Assessment:** class paper (2000 wds); 2.5 hour exam; other prescribed classwork.

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

Students will read a selection of short documents in a range of genres and media (e.g. coins, inscriptions, prose authors) all connected to similar topics. The major focus will be on the historical significance of the texts and the use made of language, images and even iconography to present a particular point of view.

ANHS 3604 Documents and Ancient History (Latin)

6 credit points. B A, Dip Arts. Dr R Brennan. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (LATN 1002 or LATN 2612) OR Credit average in 18 senior credit points of LATN. **Prohibitions:** ANHS3904. **Assessment:** class paper (2000 wds); 2.5 hour exam; other prescribed classwork.

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

Students will read a selection of short documents relevant to Roman History. The focus will be on the historical significance of the language of the texts.

ANHS 3607 Aliens Bearing Gifts: Romans and Others

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr P Brennan. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)). **Prohibitions:** ANHS3907. **Assessment:** class paper (4000 wds); 15 hour exam; other prescribed classwork.

We will examine the interplay of cultures in contact, specifically between imperial Rome and various cultures and peoples in her empire, especially Greeks, Semites, Celts and Germans. We will look at the exercise and discourse of power; the construction of identity; assimilation and resistance; romanisation.

ANHS 3608 The Peloponnesian War and Culture

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr A Blanshard. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)). **Assessment:** class paper (4000 wds); 15 hour exam; other prescribed classwork.

The Peloponnesian War dominates the Greek world in the second half of the fifth century BC. At the same time, throughout this period, we see art and culture flourish as never before. This unit of study aims to trace these two features and examine the relationship between them. It looks at the stimulus war provides to culture, and the way culture responds to war's anxieties. It also examines the position that the Peloponnesian War has occupied in western European thought.

ANHS 4011 Ancient History Honours A

12 credit points. B A (Hons), Dip Arts(Hons). TBA. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 48 Senior cp in ANHS or HSTY including 12 cp at ANHS 3900 or HSTY 3900 level or equivalent. **Assessment:** 20000 word thesis (50%) and assessable tasks in the other two components (50%).

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

ANHS 4012 Ancient History Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to ANHS 4011. **Corequisites:** ANHS4011. **Assessment:** Refer to ANHS 4011. Refer to ANHS 4011

ANHS 4013 Ancient History Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to ANHS 4011. **Corequisites:** ANHS4012. **Assessment:** Refer to ANHS 4011. Refer to ANHS 4011

ANHS 4014 Ancient History Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to ANHS 4011. **Corequisites:** ANHS4013. **Assessment:** Refer to ANHS 4011. Refer to ANHS 4011

Anthropology

ANTH 1001 Anthropology and Cultural Difference

6 credit points. B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School. Associate Professor Daryl Feil. **Session:** Summer, Semester 1. **Classes:** 2 lectures & 1 tutorial per week. Occasional hour-long optional film-screenings and workshops. **Prohibitions:** ANTH 1003. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

Anthropology explores and explains cultural difference while affirming the unity of humankind. It therefore provides accounts of cultural specificity that illuminate many forms of conflict in the world today. Lectures will address some examples of cultural difference from the present and the past including totemic religion, Balinese ideas of the person, and Indigenous relations to land. 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.

ANTH 1002 Globalisation and Experience

6 credit points. B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School. Associate Professor Ghassan Hage. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prohibitions:** ANTH 1004. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

Anthropology's ethnographic method, long term embedded-ness within a specific culture, allows for a particularly intimate understand-

ing 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 Islamic movements and the corresponding transformation of Western nationalism.

Textbooks

Readings will be available at the University Copy Centre

ANTH 1801 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ANTH 1802 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ANTH 2601

*** No info available for 2006. ***

ANTH 2604 Australia-Pacific: Indigenous Worlds

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Associate Professor Daryl Feil. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 18 Junior credit points. **Prohibitions:** ANTH2112. **Assessment:** 2500 words of written work (60%) and 2 hours of examination (40%).

This unit explores specifically anthropological issues of the indigenous peoples of Australia and the Pacific in comparative perspective. Topical themes will include the common threads of prehistory, history, colonialism and change and development, gender, economy and social organization. The theories anthropologists have used to understand these societies will provide the framework for discussion.

ANTH 2605 Aboriginal Australia: Cultural Journeys

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Gaynor Macdonald. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH2010 and ANTH2025. **Assessment:** 2500 words of written work (60%) and 2 hours of examination (40%).

This unit examines the societies and cultural practices of Australian Aboriginal peoples in two different areas of Australia, the central/western Australia desert and the riverine areas of central/western New South Wales. These regions are distinctive - culturally, ecologically and historically - yet share commonalities in their practices of kin-relatedness and its 'writing' onto country, and their experiences of incorporation into the nation-state. The journeys to be explored are spatial and historical to understand how mobility and mutability characterise Aboriginal practice.

Textbooks

Readings will be available at the University Copy Centre

ANTH 2613 Imagination, Narcissism & Identification

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Jadran Mimica. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH2013. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

This unit explores psychoanalytic anthropology in relation to three pivotal modalities of the psychic. Although psychoanalytic theory is treated in its diversity, a special emphasis is placed on the originality of Melanie Klein and the British Object-relations theory of psychoanalysis, and on the Jungian analytic of the archetypal dimension of human psyche. The diversity and validity of psychoanalysis are assessed both in relation to the primary field of its analytic-therapeutic practice and anthropology as grounded in ethnographic fieldwork.

Textbooks

Readings will be available at the University Copy Centre

ANTH 2614 The Anthropology of Cognitive Systems

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Dr Jadran Mimica. **Session:** Semester 1. **Classes:** 2 lectures & 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH2014. **Assessment:** 2,500 words of written work (60%) and 2 hour of examination (40%).

This unit of study surveys the fundamental structures of human cognition within the framework of the phenomenological-existential philosophy and offers a critical perspective on the body, mind, and human cultural existence. The contemporary approaches to cognition are assessed through the exploration of the classical issues of the relations between perception, cognition, imagination, language and culture.

Textbooks

Reading lists will be available at the beginning of lectures

ANTH 2619 Chinese in Southeast Asia

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Yao Souchou. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12

Junior credit points of Anthropology. **Prohibitions:** ANTH2019. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

This unit examines ethnic-Chinese identity in Southeast Asia in the light of national regional and transnational processes. In Southeast Asia relations between ethnic-Chinese and 'indigenous communities' have often been marked by antagonism and violence. This can be traced back to a colonial policy of 'divide and rule', the maintenance of cultural communities by ethnic-Chinese, and local nationalism which inscribes the 'Chinese Other' for its own ideological purposes. The expansion of transnational capitalism in the region has complicated the relationship.

Textbooks

Readings will be available at the University Copy Centre.

ANTH 2621 Initiation Rituals

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Jadran Mimica. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH2021. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (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.

ANTH 2622 Ethnographic Film

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School. Dr Neil Maclean/Associate Professor Daryl Feil. **Session:** Summer, Semester 2. **Classes:** 3 lectures & 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH2106 and ANTH2022. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

This unit examines the ethnographic value of film in contrast with more conventional textual forms of representation. The first half focuses on theories of ethnographic filming and the second on the significance of film within the ethnography of Papua New Guinea. Themes include family narratives or ethnographic soap opera; problems with the representation of violence and the value of 'shock'; filming and contextualising intimacy; primitivism as an ethnographic subject; irony and humour. This unit is a critical, not practical unit of study.

Textbooks

Readings will be available at the University Copy Centre.

ANTH 2623 Gender: Anthropological Studies

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Michael Nihill. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 junior credit points of Anthropology. **Prohibitions:** ANTH2020 and ANTH2023. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

This unit explores the social and cultural dimensions of gender and sexuality in non-western societies. The main focus is the body in two interrelated senses. Firstly, how the body is culturally constructed by giving aspects of gender and sexuality meanings that do not simply reflect biology. Secondly, how bodies are socially constructed, for example through ritual. The relations of the dimensions of the body to the articulation of power and social change are also considered.

Textbooks

Readings will be available at the University Copy Centre

ANTH 2625 Anthropology of Development

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Maclean/Dr. Nihill. **Session:** Semester 1. **Classes:** 2 Lectures and 1 Tutorial. **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.

ANTH 2626 Urban Anthropology

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. A/Prof Feil/Dr. Basham/Dr. Yao. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH2026. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%). Modern cities are produced in two ways: (a) as types of city responsive to their larger social and cultural environment - the metropolis,

5. Undergraduate units of study

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.

ANTH 2627 Medical Anthropology

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Jadran Mimica/TBA. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Prohibitions:** ANTH207. **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.

ANTH 2629

*** No info available for 2006. ***

ANTH 2655 The Social Production of Space

6 credit points. B A, B Ec (Soc Sc). Dr Neil Maclean. **Session:** Semester 2. **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.

ANTH 2657 Consumption and Pleasure

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Yao Souhou. **Session:** Semester 2. **Classes:** one two hour seminar. **Prerequisites:** 16 Credit Points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 3,500 words of written work(70%) and 1 hour exam (30%). *NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.* Consumption is traditionally seen by Marxism as a source of massive mystification by capitalism. More recently the issue has been all but turned around by postmodernism which celebrates the redemptive powers of consumption. As anthropology encounters consumption in diverse ethnographic contexts, it becomes clear that neither Marxism's 'Left Puritanism' nor postmodern celebration will do. The course will take a broadly dialectical approach that confronts the pleasure of consumption as both private and social, personal and political.

ANTH 2804 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

ANTH 2805 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ANTH 2806 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ANTH 2810 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

ANTH 2811 Social Anthropology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

ANTH 3601 Honours Preparation 1

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Neil Maclean. **Session:** Semester 1. **Classes:** 2 hrs Seminar. **Prerequisites:** 12 credit points of Senior Anthropology at Credit level or above. **Prohibitions:** ANTH3921, ANH3922. **Assessment:** 6,000 written work. The honours preparation seminar 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.

ANTH 3611 Reading Melanesian Ethnographies

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Associate Professor Daryl Feil. **Session:** Semester 2. **Classes:** One 2 hour seminar. **Prerequisites:** 12 Credit Points of Senior Anthropology completed at Credit Level or Above. **Prohibitions:** ANTH3951. **Assessment:** Two essays, one of 4000 words and one of 2000 words. *NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

This unit explores the distinctiveness of New Guinea modes of existence through a set of regionally connected ethnographies. Standard anthropological categories of kinship, social organisation, exchange, ritual, etc. are placed in the perspective of New Guinea realities and accounted for in terms of experiences, meanings, and understandings internal of indigenous cultural life-worlds. Critical attention is paid to the anthropological theoretical perspectives which determine ethnographic interpretations. One Reading Ethnography Unit (ANTH361X) must be taken for entry into Anthropology Fourth Year Honours.

Textbooks

Reading lists will be available at the beginning of lectures.

ANTH 3612

*** No info available for 2006. ***

ANTH 3613 Reading Aboriginal Ethnographies

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr Gaynor Macdonald. **Session:** Semester 1. **Classes:** One 2 hrs seminar per week. **Prerequisites:** 12 credit points of senior Anthropology completed at credit level or above. **Prohibitions:** ANTH3835. **Assessment:** Two essays, one of 4000 words and one of 2000 words. *NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

This unit will take a range of different types of ethnography and consider the debates that have revolved around each one. Some of the ethnographers discussed include Meggitt, Hiatt, Myers, Stanner, Munn, Morphy, Dussart, Povinelli and Morris. The debates will involve issues of social organization, art and representation, gender, and change. The course will also address the practice of ethnography and changing conceptions of it.

Textbooks

Reading lists will be available at beginning of semester.

ANTH 3614 Reading East Asian Ethnography

6 credit points. B A, B Ec (Soc Sc), Dip Soc Sc, UG Study Abroad Program. Dr S Yao. **Session:** Semester 2. **Classes:** Two hours of lectures per week. **Prerequisites:** 12 Junior credit points of Anthropology at Credit level and 16 Senior credit points of Anthropology at Credit level or above. **Assessment:** Two 3000 word essays. The unit will focus on the people and communities of East Asian countries: China (including Hong Kong) Japan and Korea. It is designed to provide a deep understanding of the traditional social organizational and cultural and religious orientations of East Asian societies by a "deep reading" the major ethnographies and anthropological studies of the region. More generally the unit will introduce students to the "problems" and "issues" of the anthropological literature, and prepare them for advanced study.

ANTH 4011 Social Anthropology Honours A

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). Dr Jadran Mimica. **Session:** Semester 1, Semester 2. **Classes:** Consult Department. **Prerequisites:** Students must have a Credit average in Senior level Anthropology units totalling at least 48 credit points. Units must include ANTH 2501, ANTH 2502, AND three of ANTH 3901-3906,3908-3916 and one of ANTH 3835,3907,3951-3957. **Assessment:** All of the major components of the Honours year will be assessed. *NB: Department permission required for enrolment.*

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

ANTH 4012 Social Anthropology Honours B

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ANTH4011. Please refer to ANTH 4011

ANTH 4013 Social Anthropology Honours C

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). Dr Gaynor MacDonal. **Session:** Semester 1, Semester 2. **Corequisites:** ANTH4012. Please refer to ANTH 4011

ANTH 4014 Social Anthropology Honours D

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ANTH4013. Please refer to ANTH 4011

Arabic Language and Literature

ARBC 1611 Arabic Introductory IB

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Hajjar. **Session:** Semester 1. **Classes:** 4 face-to-face classes per week + 1 hour autonomous learning in language lab. **Prohibitions:** ARBC 1311; ARBC 1312. **Assessment:** One 2.5 hour exam plus regular assignments and class assessment.

This unit of study 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 ARBC 1612 in second semester.

Textbooks

Nijmeh Hajjar, *Living Arabic in Context: An Introductory Course*, Beriut, 2005.

ARBC 1612 Arabic Introductory 2B

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Hajjar. **Session:** Semester 2. **Classes:** 4 face-to-face classes per week + 1 hour autonomous learning in language lab. **Prerequisites:** ARBC 1101 or ARBC 1611 (or equivalent). **Prohibitions:** ARBC 1311; ARBC 1312. **Assessment:** One 2.5 hour examination plus regular assignments and class assessment.

This unit of study 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 ARBC 2613.

Textbooks

Nijmeh Hajjar, *Living Arabic in Context: Arabic for Beginners, Stage 2*, Sydney, 2004. (For textbook and audio CDs consult the Department).

ARBC 2613 Arabic Language and Literature 3B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Hajjar. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** ARBC 1102 or ARBC 1612 or equivalent. **Prohibitions:** ARBC 1311 or ARBC 1312 or ARBC 2633 or ARBC 2634 or ARBC 2103. **Assessment:** Regular assignments equivalent to 2000 words (50%), one 2.5 hour end of semester exam equivalent to 2500 words (50%).

This unit of study 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 ARBC 2614.

Textbooks

Language material and a selection of literary texts will be available (consult Department).

ARBC 2614 Arabic Language and Literature 4B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Hajjar. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARBC 2103 or ARBC 2613 or equivalent. **Prohibitions:** ARBC 2104 or ARBC 1311 or ARBC 1312 or ARBC 2313 or ARBC 2314 or ARBC 2633 or ARBC 2634 or ARBC 3635 or ARBC 3636 or ARBC 3637 or ARBC 3638. **Assessment:** Regular assignments equivalent to 2000 words (50%), one 2.5-hour end of semester exam equivalent to 2500 words (50%).

This unit of study 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 ARBC 3615.

Textbooks

Language material and a selection of literary texts will be available (consult Department).

ARBC 2633 Arabic Advanced Language & Literature 3A

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. A/Prof Shboul. **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:** ARBC 1311. **Assessment:** Regular assignments equivalent to 2500 words, essay/examination: 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 re-

flected 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.

ARBC 2634 Arabic Advanced Language & Literature 4A

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. A/Prof Shboul. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARBC 1311 or ARBC 2633. **Prohibitions:** ARBC 1312; ARBC 1101; ARBC 1102; ARBC 1611; ARBC 1612. **Assessment:** Regular assignments equivalent to 2500 words, essay/examination: 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.

ARBC 2811 Arabic Exchange

6 credit points. B A, Dip Lang Stud. Dr Hajjar. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 2812 Arabic Exchange

6 credit points. B A, Dip Lang Stud. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 2813 Arabic Exchange

6 credit points. B A, Dip Lang Stud. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 2814 Arabic Exchange

6 credit points. B A, Dip Lang Stud. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 3615 Arabic Language and Literature 5B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Hajjar. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** ARBC 2104 or ARBC 2614 or equivalent. **Prohibitions:** ARBC 2105 or ARBC 1311 or ARBC 1312 or ARBC 2313 or ARBC 2314 or ARBC 2315 or ARBC 2316 or ARBC 2633 or ARBC 2634 or ARBC 3635 or ARBC 3636 or ARBC 3637 or ARBC 3638. **Assessment:** Regular assignments equivalent to 2000 words (50%), one 2.5 hour end of semester exam equivalent to 2500 words (50%).

This unit of study 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 ARBC 3616.

Textbooks

Language material and a selection of literary texts will be available (consult Department).

ARBC 3616 Arabic Language and Literature 6B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Hajjar. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARBC 2105 or ARBC 3615 or equivalent. **Prohibitions:** ARBC 2106 or ARBC 1311 or ARBC 1312 or ARBC 2313 or ARBC 2314 or ARBC 2315 or ARBC 2316 or ARBC 2633 or ARBC 2634 or ARBC 3635 or ARBC 3636 or ARBC 3637 or ARBC 3638. **Assessment:** Regular assignments equivalent to 2000 words (50%), one 2.5 hour end of semester exam equivalent to 2500 words (50%).

This unit of study 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 Department).

ARBC 3635 Arabic Advanced Translation & Writing 5A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** ARBC 1312 or ARBC 2633. **Prohibitions:** ARBC 2313 or ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612. **Assessment:** Regular assignments equivalent to 2000 words, one essay equivalent to 2000 words, one exam equivalent to 2000 words.

This unit of study 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

5. Undergraduate units of study

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.

ARBC 3636 Arabic Advanced for Media Studies 6A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. A/Prof. Shboul. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** ARBC 1311 or ARBC 2633. **Prohibitions:** ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612 or ARBC 2314. **Assessment:** Regular assignments equivalent to 2000 words; one essay equivalent to 2000 words; one exam equivalent to 2000 words.

This unit of study 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.

ARBC 3637 Arabic Advanced Translation & Writing 7A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** ARBC 1312 or ARBC 2634. **Prohibitions:** ARBC 2315 or ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612. **Assessment:** Regular assignments equivalent to 2000 words, one essay equivalent to 2000 words, one exam equivalent to 2000 words.

This unit of study aims to further develop written fluency in Arabic and English through translation methodology and skills. The course 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.

ARBC 3638 Arabic Advanced for Media Studies 8A

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Prof. Shboul. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** ARBC 1311 or ARBC 2633. **Prohibitions:** ARBC 2316 or ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612. **Assessment:** Regular assignments equivalent to 2000 words, one essay equivalent to 2000 words, one 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 & The Middle East

ARIS 1671 Arabs, Islam & Middle East: Introduction

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 3 hours per week. **Assessment:** One 2000 word essay, class presentation and final exam.

This unit of study 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 ARIS 1672 in semester two.

Textbooks

Course readings and bibliography will be available.

ARIS 1672 Arab-Islamic Civilisation: Introduction

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. A/Prof. Shboul. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARIS 1001 or ARIS 1671. **Assessment:** One 2000 word essay, class presentation and final exam.

This unit of study 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 the above two units, students proceed to ARIS 3675 and ARIS 3676 in the year 2007; and to ARIS 2673 and ARIS 2674 in the year 2008.

Textbooks

Course readings and bibliography will be available.

ARIS 3675 Society and Politics in the Middle East

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Shboul. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** ARIS 1001 or ARIS 1671 or equivalent. **Prohibitions:** ARIS 2005. **Assessment:** One essay equivalent to 2500 words (40%), a presentation equivalent to 1000 words (20%) and final exam or assignments equivalent to 2500 words (40%).

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

This unit focuses on the dynamics of society and politics in the modern Middle East, including the Arab world, Iran and Turkey. It investigates issues of diversity, commonality, continuity and change, Ottoman legacy and European colonial impact, traditional and modern elites, the role of oil, regional conflicts, Arab regional system and responses to globalisation, US policies and Western interests, dynamics of state, society and religion, women's rights, civil society and democratisation in the Middle East.

Textbooks

Course readings, bibliography and brief notes will be available.

ARIS 3676 Issues and Debates in Arab Culture Today

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Shboul. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** ARIS 1001 or ARIS 1671 or equivalent. **Prohibitions:** ARIS 2006. **Assessment:** One essay equivalent to 2500 words (40%); presentation equivalent to 1000 words (20%) and a final exam or assignments equivalent to 2500 words (40%).

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

This unit investigates how issues are debated in the contemporary Arab world, focusing on questions of pan-Arabism, the nation-state, regionalism and traditional loyalties, the Arabic language and cultural identity, history and attitudes to the past, 'authenticity', modernity, westernisation, attitudes to the West and the rest of the world, debates on secularism, 'neo-patriarchy', peace, progress, freedom, absenting and assertion of women's role, human rights, democracy, highlighting the role of intellectuals, the media and dynamics of public space in Arab countries.

Textbooks

Course readings, bibliography and brief notes will be available.

ARIS 3680 Approaches to Arabic and Islamic Studies

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Shboul. **Session:** Semester 2. **Classes:** 2 hours of seminars per week. **Prerequisites:** Credit in ARIS 2673 or ARIS 3675 or ARIS 2003 or ARIS 2005, plus credit in ARBC 2613 or ARBC 3635 or ARBC 2103 or ARBC 2313. **Assessment:** One essay in English (3000 words), with a summary in Arabic (1000 words); one 15 minute presentation in either Arabic or English (equivalent to 2000 words).

This unit of study, which is a pre-requisite 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.

ARIS 4011 Arabic and Islamic Studies Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). A/Prof. Shboul and Dr Hajjar. **Session:** Semester 1, Semester 2. **Classes:** 4 hours per week (2 hours research seminar and 2 hours of Advanced Arabic for research purposes). **Prerequisites:** Students should have at least 48 credit points (with Credit average) from a combination of ARBC and ARIS Senior units, plus the obligatory honours entry unit, ARIS 3680 (Approaches to Arabic & Islamic Studies). **Assessment:** Class work, essay, tutorial presentations and bibliographical assignments.

NB: Department permission required for enrolment.

ARIS 4012 Arabic and Islamic Studies Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). A/Prof. Shboul and Dr Hajjar. **Session:** Semester 1, Semester 2. **Corequisites:** ARIS4011. Refer to ARIS 4011.

ARIS 4013 Arabic and Islamic Studies Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). A/Prof. Shboul and Dr Hajjar. **Session:** Semester 1, Semester 2. **Corequisites:** ARIS4012. Refer to ARIS 4011.

ARIS 4014 Arabic and Islamic Studies Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). A/Prof. Shboul and Dr Hajjar. **Session:** Semester 1, Semester 2. **Corequisites:** ARIS4013. Refer to ARIS 4011.

Archaeology (Classical)

ARCL 1001 Art & Archaeology of the Classical World

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Professor M Miller, Dr E Robinson. **Session:** Semester 2. **Classes:** 2 x Lectures, 1 x Tut/wk. **Assessment:** One 2hr exam (40%), two visual tests (30%), one 1500 word essays (30%). Introduction to the art and archaeology of the Mediterranean and especially the Classical World. This unit of study has a double aim: to provide a solid basis for those students who intend to pursue archaeological studies, possibly to a postgraduate level, and to give an overall survey to those who have an interest in the Ancient World as a complement to their studies of any aspect of Western civilisation. The unit of study focuses on some of the most important archaeological sites of Greece, starting with the Bronze Age (Knossos, Santorini, Mycenae) before turning to the Iron Age, the Classical and Hellenistic periods (Athens, Delphi and Olympia). The unit of study then moves to Italy, starting with the Bronze Age (particularly the flourishing Nuragic civilisation of Sardinia), then continuing with the Early Iron Age Villanovan culture of Central Italy, Greek colonisation, and the indigenous populations of the peninsula, particularly the Etruscans. The unit of study concludes with Pompeii (with due assessment of the contributions made in recent years by an Australian team to our knowledge of its history) and Rome. Throughout the unit of study we will be looking at the methods used by archaeologists to study the different classes of material, and at the history of the study of Classical monuments. Classical Antiquity has been of great importance far beyond the bounds of archaeology, and we will look at how the Classical past has been constructed and used in more recent times.

ARCL 1801 Archaeology (Classical) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARCL 2601 The World of Classical Athens

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr L Beaumont. **Session:** Semester 2. **Classes:** two lectures and one tutorial a week. **Prerequisites:** 6 Junior credit points of Archaeology and 6 Junior credit points of Archaeology or Classical Civilization or Ancient History. **Prohibitions:** ARCL2001. **Assessment:** one 2-hour exam, one 2000-word essay and a visual test.

The unit focuses on the development of Athenian vase-painting, sculpture and architecture during the sixth and fifth centuries BC. Questions of chronology, style, technique and iconography/iconology are addressed and are related to the social, political and historical context in which Athenian material culture took shape. Lectures are complemented by regular tutorials which make use of Ancient Greek artefacts in the collections of the Nicholson Museum.

ARCL 2602 Greek Cities and Sanctuaries

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof M Miller. **Session:** Semester 1. **Classes:** two lectures and one tutorial a week. **Prerequisites:** 6 Junior credit points of Archaeology and 6 Junior credit points of Archaeology, Classical Civilization, Classical Studies or Ancient History. **Prohibitions:** ARCL2002. **Assessment:** one 2000 word essay, one 1-hour mid-term test and one 2-hour exam.

This unit will treat the most important excavated sanctuary and urban sites within the wider ancient Greek world (ie. from Asia Minor to south Italy and Sicily) in the period c. 950-150BC. Through investigation of selected buildings and sites, the development of sanctuary planning and practice and the formulation of principles of urban planning will be investigated. So far as possible, the social, religious and political environment is addressed to provide the appropriate social-historical background to the material remains.

ARCL 2603 Archaeology of Pre-Roman Italy

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr E Robinson. **Session:** Semester 1. **Classes:** two lectures and one tutorial a week. **Prerequisites:** 6 Junior credit points of Archaeology and either 6 Junior credit points of Archaeology or Classical Civilisation or Classical Studies or Ancient History. **Prohibitions:** ARCL3001. **Assessment:** one 2000-word essay, one 2-hour exam, classwork in tutorials.

This unit of study this year will concentrate on South Italy and Sicily; beginning at the transition to the Neolithic period, particular attention will be given to the Bronze Age and the contacts between Italy and the wider Mediterranean at that time. The main focus of the course will be on the Iron Age and the development of the numerous and varied groups of indigenous Italians who inhabited South Italy and Sicily. The phenomenon of Greek colonisation will be treated in detail, and the course will conclude with the Roman conquest of these regions and the changes wrought by Roman domination of the Greek and indigenous territories.

ARCL 2690 Special Topics in Classical Athens

6 credit points. B A, Dip Arts. Dr L Beaumont. **Session:** Semester 2. **Classes:** One 2-hour seminar a week. **Prerequisites:** Credit result in ARCL 1001. **Corequisites:** ARCL2601. **Prohibitions:** ARCL2900. **Assessment:** one 3500-word essay, one 2-hour exam, seminar participation and presentation.

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

The unit critically explores Athenian material culture in the Archaic and Classical periods as a tangible but complex reflection of Athenian society's beliefs, attitudes, perceptions and value systems. Themes covered include body ideal, homosexuality, gender, age, social class, women, children and foreigners. Students are encouraged to suggest additional topics in which they might have a particular interest.

ARCL 2804 Archaeology (Classical) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARCL 2805 Archaeology (Classical) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARCL 2806 Archaeology (Classical) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARCL 2810 Archaeology (Classical) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARCL 2811 Archaeology (Classical) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARCL 3691 Research Issues in Classical Archaeology

6 credit points. B A, Dip Arts. Prof M Miller. **Session:** Semester 2. **Classes:** One 2-hour seminar a week. **Prerequisites:** Credit result in ARCL2690. **Prohibitions:** ARCL3901. **Assessment:** one 3000-word essay, one 2-hour exam, two seminar presentations.

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

In each year a specific issue of current interest is chosen.

ARCL 4011 Archaeology (Classical) Honours A

12 credit points. B A (Hons), Dip Arts(Hons). All members of staff. **Session:** Semester 1, Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** (a)Credit results in 24 Senior credit points of Archaeology (Classical), (b) In addition, 48 credit points from one or more of the following: Archaeology (Near Eastern and/or Prehistoric and Historical), Classical Civilization, Greek, Latin, Greek and Roman Literature, Art History and Theory, Ancient History, (c) HSC 2-unit (or equivalent) in an approved language. **Assessment:** All of the major components of the Honours year will be assessed. **NB:** Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

ARCL 4012 Archaeology (Classical) Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARCL4011. **Assessment:** As ARCL4011.

ARCL 4013 Archaeology (Classical) Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARCL4012. **Assessment:** As ARCL4011.

ARCL 4014 Archaeology (Classical) Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 2, Semester 1. **Corequisites:** ARCL4013. **Assessment:** As ARCL4011.

Archaeology (Near Eastern)

ARNE 1001 Archaeology of the Near East

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr A Betts. **Session:** Semester 2. **Classes:** 2 hour lecture & 1 tutorial per week. **Assessment:** one 2 hr exam, two tutorial exercises, and one 2,000w essay.

This unit of study is a foundation course both for students who wish to pursue a degree in Archaeology and also for those who would simply like to broaden their perspective on ancient culture. The course provides an introduction to the wide sweep of cultures which have shaped western and central Asia. Students will learn about the foundations of ancient society, the development of agriculture, the earliest forms of writing and how civilizations developed in rich and varied ways across the ancient world. The unit of study is taught within a broad chronological framework, beginning with the growth of the first farming villages and going on to explore the rise of

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kingdoms and empires, covering major topics such as warfare and defence, temples and palaces, burial customs, religion and the establishment of complex trade networks. Regional cultural development is also examined, with special focus on Egypt, Mesopotamia, the Arabian Gulf, Iran, Central Asia and the Indus Valley.

ARNE 1801 Archaeology (Near Eastern) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 2604 The Levant Neolithic - Middle Bronze Age

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Betts. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** 12 Junior Credit points from Archaeology, Classical Civilisation or Ancient History. **Prohibitions:** ARNE2004. **Assessment:** two 500-word précis, one 1500-word essay and one 3500-word research paper. The Levant formed a physical and cultural bridge between the ancient centres of early civilisation in Egypt and Mesopotamia. The unit of study will examine how this is reflected in the archaeology of the region from the Neolithic to the end of the Early Bronze Age. The Levant saw a different and less dramatic development than neighbouring civilisations but one that was no less important.

ARNE 2605 Archaeology of the Levant 1500 - 900 BC

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr J Lovell. **Session:** Semester 2. **Classes:** Two hours a week. **Prerequisites:** 12 Junior Credit points from Archaeology, Classical Civilisation or Ancient History. **Prohibitions:** ARNE2005. **Assessment:** two 500-word summaries, one 1500-word assignment and one 3500-word research paper.

The Levant during the period of the Middle Bronze Age (1750-1500BCE) underwent significant changes in its political and economic outlook. In the Late Bronze Age (1550-1200BCE) some of the largest empires in the ancient world clashed over resources and trade routes. Following on from this is the Early Iron Age (1200-900 BCE), which includes the Kingdoms of David and Solomon, where the interaction of archaeological evidence and the Biblical texts in particular have been a subject of debate for scholars.

Textbooks
TBA

ARNE 2691 Material Culture

6 credit points. B A, Dip Arts. Dr J Lovell. **Session:** Semester 1. **Classes:** One 2 hr seminar/wk. **Prerequisites:** Credit result in ARNE 1001. **Prohibitions:** ARNE2901. **Assessment:** one 3000-word essay, one 3000-word take-home exam.
NB: 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.

ARNE 2804 Archaeology (Near Eastern) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 2805 Archaeology (Near Eastern) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 2806 Archaeology (Near Eastern) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 2810 Archaeology (Near Eastern) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 2811 Archaeology (Near Eastern) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 3691 Special Topics in West Asian Archaeology

6 credit points. B A, Dip Arts. Prof D Potts. **Session:** Semester 2. **Classes:** 2 hrs a week. **Prerequisites:** Credit result in ARNE2901/2691 and Pass result in 6 further Senior credit points from ARNE or ARCL. **Prohibitions:** ARNE3901. **Assessment:** one 3000-word essay and one 3000-word take-home exam.

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

An advanced seminar for students who wish to develop their research, analytical, writing and presentation skills by investigating a body of material from selected excavations in the Near East. Specific topics will vary from year to year with an emphasis on ancient technology, iconography, chronology and spatial distribution.

ARNE 4011 Archaeology (Near Eastern) Honours A

12 credit points. B A (Hons), Dip Arts(Hons). Professor Dan Potts and Dr Alison Betts. **Session:** Semester 2, Semester 1. **Classes:** One 2 hr sem/wk. **Prerequisites:** (a) Credit results in 24 Senior credit points of Archaeology inc. ARNE 2901 and ARNE 3901 (b) reading ability in a Modern European language. **Assessment:** All of the major components of the Honours year will be assessed.
NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

ARNE 4012 Archaeology (Near Eastern) Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARNE4011. **Assessment:** As ARNE 4011.

ARNE 4013 Archaeology (Near Eastern) Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARNE4012. **Assessment:** As ARNE4011.

ARNE 4014 Archaeology (Near Eastern) Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARNE4013. **Assessment:** As ARNE4011.

Archeology (Prehistoric and Historical)

ARSC 1006 Archaeology Past and Present (HSC unit)

6 credit points. B A, B E, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr M Gibbs. **Session:** Summer. **Classes:** 32 hours intensive. **Assessment:** One 4000 word essay.

Archaeology is concerned with the material and physical remains of human beings. The archaeologist works in cooperation with other science and humanities disciplines to reconstruct past lives and to understand human behaviour. This unit of study introduces archaeology as a pathway to engage students in contemporary discussions of issues in both Australian and global archaeology. It looks particularly at political issues - war, colonialism, antiquities legislation, organised looting and the moral/ethical/legal responsibilities of nations and individuals vis-a-vis cultural heritage.

ARPH 1001 Introduction to Archaeology

6 credit points. B A, B E, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr M Gibbs. **Session:** Winter, Semester 1. **Classes:** 3 hr/wk. **Assessment:** one 2000w essay, short exercises (including self-guided tutorials, on-line quizzes) equivalent to 1000w, one 1500w exam.

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 presents archaeology's major discoveries from the earliest origins of humanity in deep prehistory to more recent historical periods. Case studies based on current field research in the Mediterranean, Near East, West and South East Asian, Australia and beyond will introduce students to key aspects of archaeological method and theory and explore links between current archaeological practice and heritage issues of wide public interest. The unit is taught by staff from across the spectrum of archaeology. It provides an introduction useful for any senior unit of study in Archaeology. It will also interest anyone with a more general interest in this fascinating, popular and topical field of study.

ARPH 1801 Archaeology (Prehistoric & Historic) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARPH 2602 Scientific Analysis of Materials

6 credit points. B A, Dip Arts. Associate Professor Simon Ringer and Ms Wendy Reade. **Session:** Semester 2. **Classes:** Lecture/seminar 3 hrs/wk. **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.

ARPH 2603 The Archaeology of Society

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Prof R Fletcher. **Session:** Semester 1. **Classes:** 2 hrs/wk. **Prerequisites:** 12 Junior credit points of Archaeology. **Prohibitions:** ARPH2003. **Assessment:** one 1500-word essays and one 1500-word project.

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 in-

terests 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.

ARPH 2605 Archaeology of Modern Times

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Wayne Johnson. **Session:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** 12 Junior credit points of Archaeology. **Prohibitions:** ARPH2005. **Assessment:** One 2500-word essay, one 1000-word paper and presentation, one 1000-word equivalent class test.

This unit investigates the material culture of European colonialism and expansion after AD 1500, examining Southeast Asia, the Americas and South Africa, with an emphasis on Australia from AD 1788 to the present day. The course will include a hands-on workshop examining artefacts from post-AD1788 Australian sites.

ARPH 2607 Australian Archaeology

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr S Colley and other staff. **Session:** Semester 1. **Classes:** 3 hr/wk (possibly including some on-line delivery). **Prerequisites:** 12 Junior credit points of Archaeology. **Assessment:** One 2500 word essay, one 1000 word paper and presentation, one 1000 word class test.

An introduction to major research questions and issues in Australian archaeology, placed in regional and global context. Topical case studies will be used to examine how archaeological evidence is variously used to explain aspects of both Indigenous pre-history and the last 300 years or so of Australia's colonial history. Australian examples will be linked to more general problems of archaeological theory, method and practice, including professional ethics and the link between archaeology and heritage in the public domain.

ARPH 2611 From Java to Beijing: Asian Archaeology

6 credit points. B A, B E, B Sc, B Com, Dip Arts, UG Study Abroad Program. A/Professor Fletcher. **Session:** Semester 2. **Classes:** 2 lec/wk, 1 tut/wk. **Prerequisites:** 12 Junior credit points of Archaeology. **Assessment:** Two 2000 word essays.

An introduction to the archaeology of eastern and southern Asia from two million years ago to the fall of the Ching dynasty in the 19th/20th century AD in China.

ARPH 2804 Archaeology (Prehistoric & Historic) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. **NB:** Department permission required for enrolment.

ARPH 2805 Archaeology (Prehistoric & Historic) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. **NB:** Department permission required for enrolment.

ARPH 2806 Archaeology (Prehistoric & Historic) Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

ARPH 3690 Archaeological Applications of Computing

6 credit points. B A, Dip Arts. Dr I Johnson. **Session:** Semester 2. **Classes:** 4hr lab/wk, classwork. **Prerequisites:** Credit results in 16 Senior credit points of ARPH. **Assessment:** continuous assessment, consisting of around ten weekly talks, each equivalent to 150w (total 1,500w), a small project (1000w), and a major report (3,500w).

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

Archaeologists make increasing use of databases, whether recording excavated material, museum collections, specialist datasets or sites on landscapes. Much archaeological data is also spatially located. This unit of study introduces the concepts of data description, data recording, database management, data analysis and computer mapping, including the use of Geographic Information Systems for spatial and environmental analysis. Readings, exercises and other information for this course are placed on a www site. Assessment tasks are submitted electronically and students can use the Archaeological Computing Laboratory for this purpose. Students should be familiar with wordprocessing, spreadsheets and graphics. Places are limited.

ARPH 3691 Archaeological Research Principles 1

6 credit points. B A, Dip Arts. Assoc Prof R Fletcher. **Session:** Semester 1. **Classes:** one 2 hour lecture and one 1 hour tutorial a week. **Prerequisites:** 12 Senior credit points in Archaeology at credit level. **Prohibitions:** ARPH3911. **Assessment:** seminar participation, one research design, one 6000-word essay.

The preparation, organisation and presentation of research. This unit is designed to develop skills in research and thesis writing.

ARPH 3692 Archaeological Research Principles 2

6 credit points. B A, Dip Arts. Assoc Prof R Fletcher. **Session:** Semester 2. **Classes:** 2 hours a week (plus six Friday seminars). **Prerequisites:** 12 Senior credit points of Archaeology at credit level. **Prohibitions:** ARPH3902. **Assessment:** 6000 words in written assignments.

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

The preparation, organisation and presentation of research with special focus on archaeological research design and literature review. This unit of study is designed to prepare students for research and the preparation of long essays and theses. In addition to formal

classes students must also attend at least six Friday afternoon research seminars.

ARPH 3693 Archaeological Practice

6 credit points. B A, Dip Arts. Dr M Gibbs. **Session:** Semester 2. **Classes:** 3 hrs/wk. **Prerequisites:** 12 Senior credit points of Archeology at Credit level. **Prohibitions:** ARPH3921. **Assessment:** 3000 word report/lab book, 1000 word (equivalent) class test.

NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

Introduction to archaeological research design and core hands-on practical work methods and skills through a structured programme of assessed practical work classes, workshops and hands-on sessions. The course may include some archaeological work experience placements, subject to staff availability. Preference may be given to students who have already gained some preliminary field or laboratory work experience, depending on limits of space, equipment and/or project places.

ARPH 4011 Archaeology (Prehist/Historical) Hons A

12 credit points. B A (Hons), Dip Arts(Hons). A/Prof R Fletcher and Dr M Gibbs. **Session:** Semester 1, Semester 2. **Classes:** Sem 1: One 2hr class/wk, one 2hr weekly seminar; Sem 2: One 2hr weekly seminar. **Prerequisites:** a) CR+ results in 24 senior credit points of Archaeology, including ARPH3 902 and CR+ results in 8 credit points from ARPH2501-2699 and/or ARPH3921. b) CR+ results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies, and/or Heritage Studies. **Assessment:** All of the major components of the Honours year will be assessed.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

ARPH 4012 Archaeology (Prehist/Historical) Hons B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARPH4011. **Assessment:** See ARPH4011.

ARPH 4013 Archaeology (Prehist/Historical) Hons C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARPH4012. **Assessment:** See ARPH4011.

ARPH 4014 Archaeology (Prehist/Historical) Hons D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ARPH4013. **Assessment:** See ARPH4011.

Art History and Theory

ARHT 1001 Art & Experience: The European Tradition

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr. Louise Marshall. **Session:** Semester 1. **Classes:** Two 1hr lectures and 1 hr tutorial. **Assessment:** On-line quizzes, 1500wd essay, visual test to a total of 4500 words.

ARHT 1001 and ARHT 1002 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

H.Honour & J.Fleming. A world history of art', 6th ed; London, 2002

ARHT 1002 Modern Times: Art and Film

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr Julian Pefanis. **Session:** Semester 2. **Classes:** Two 1hr lectures, one 1hr tutorial. **Assessment:** one 2000wd essay, one slide test, on-line quizzes.

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 film, design, architecture and costume. As with ARHT 1001, historical analysis will be combined with discussions of the different methodologies and approaches to the interpretation and study of these visual materials.

5. Undergraduate units of study

Textbooks

Readings are supplied on-line, but the basic textbook, available from the Co-op Bookshop is: Laurie Schneider Adams, *A History of Western Art*, New York: City University of New York, 2001

ARHT 1801 Art History and Theory Exchange

6 credit points. B A, Dip Arts. Dr Keith Broadfoot. **Session:** Semester 1, Semester 2. **NB:** 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.

ARHT 2601 Recent Approaches to Art and Film

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Keith Broadfoot. **Session:** Semester 1. **Classes:** 1hr lecture & 1hr tutorial (plus occasional 2hr film screening). **Prerequisites:** 16 Senior credit points in Art History and Theory with a Credit average. **Prohibitions:** ARHT2901. **Assessment:** One essay, one tutorial paper and presentation, 6000 words in total.

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

This unit will examine some of the major theoretical influences on recent approaches to the study of art and film. We will explore and assess the impact of some recent key ideas and theories through a number of case studies from different historical periods. While the unit will be situating recent approaches to art and film within the broader perspective of theoretical developments within the humanities in general, the focus will be on how these new ideas relate to the activity of visual analysis and interpretation that is specific to art and film.

Recommended Readings:

Nicholas Mirzoeff, *An Introduction to Visual Culture*, Routledge, London, 1999.

ARHT 2612 Baroque Courts

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Michael Hill. **Session:** Semester 1. **Classes:** One 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **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.

Recommended Reading:

Anne Sutherland Harris, *Seventeenth-Century Art and Architecture* (London:2005)

ARHT 2613 The Art of France

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Jennifer Milam. **Session:** Semester 2. **Classes:** 2hr lecture & 1 tutorial/wk. **Prerequisites:** ARHT 100land ARHT 1002 or permission of course coordinator. **Prohibitions:** ARHT2013. **Assessment:** essay 2000 words and visual test 2000 words.

NB: Department permission required for enrolment. 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.

Recommended Readings:

Andre Chastel, *French Art. The Ancien Regime 1620-1775* (Paris and New York:Flammarion, 1996);

Thomas Crow, *Painters and public life in eighteenth-century Paris*, (New Haven: Yale University Press, 1985).

ARHT 2616 High Renaissance Art

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr L. Marshall. **Session:** Semester 2. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisites:** ARHT 1001, ARHT 1002. **Prohibitions:** ARHT2016. **Assessment:** One essay and one visual test to a total of 4000-4500 words.

The Unit of Study will explore a range of alternative approaches to some of the most famous works of art in the Western tradition, including works by Leonardo, Raphael, Michelangelo and Titian. Topics to be investigated include: problems of definition in High Renaissance and Mannerist art; Rome under Julius II and the creation of an imperial capital; Venetian visual poesis; art and dynastic display

in Medicean Florence; civic ritual and public space; eroticism and mythology at princely courts; portraiture and gender.

Textbooks

Recommended Readings:

J.Paoletti and G.Radke, *'Art in Renaissance Italy'*, 2nd ed., Abrams, 2002.

ARHT 2617 Art and Society in Victorian England

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Mary Roberts. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001, ARHT 1002. **Prohibitions:** ARHT2017. **Assessment:** essay and visual test totalling 4000-4500 words.

This unit of study will examine the diverse responses of nineteenth-century British artists to the profound social changes associated with the rise of industrial capitalism and the development of the modern city. The focus for this course is on the distinctive ways modern urban life was represented by the Pre-Raphaelite Brotherhood and the Victorian narrative painters. We will also examine the work of artists and craftspeople who sought to express alternatives to the urban experience through medieval revivalism and Orientalism. Topics to be investigated include the relationship between revivalism and realism; masculinity and modernity; varieties of photographic and painterly realism; gender and Orientalism; Aestheticism and the grotesque; religion, race and empire. We will make use of the rich collection of paintings from this period in the Art Gallery of New South Wales.

Textbooks

Recommended Readings: Tim Barringer, *'The Pre-Raphaelites. Reading the Image'*, The Everyman Art Library, London, 1998; Lynda Nead, *'Victorian Babylon. People, Streets and Images in Nineteenth-century'*, London, Yale University Press, New Haven and London, 2000; Elizabeth Prettejohn, *'The Art of the Pre-Raphaelites'*, Tate Publishing, London, 2000.

ARHT 2624 Contemporary International Art

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Catriona Moore. **Session:** Semester 2. **Classes:** One hr Lecture and one 2hr tute per week. **Prerequisites:** ARHT 1001, ARHT 1002. **Prohibitions:** ARHT2024. **Assessment:** one essay or curatorial proposal and one tutorial paper to a total of 4000-4500 words.

NB: 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

Recommended Readings: 'Biennale of Sydney 2006 Exhibition Catalogue', Art Gallery of New South Wales, 2006

ARHT 2636 Contemporary Indigenous Australian Art

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof. Roger Benjamin. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 100land ARHT 1002. **Prohibitions:** ARHT2036. **Assessment:** one essay and one exhibition to a total of 4000-4500 words.

NB: 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 post-modern 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.

ARHT 2641 Art and Archaeology of South East Asia

6 credit points. B A, Dip Arts, UG Study Abroad Program. Associate Professor Roland Fletcher [Cambodia, archaeology]; Professor John Clark [Thailand, art history]. **Session:** 10 Intensive. **Classes:** In-Country unit of study, Southeast Asia January 2006. **Prerequisites:** The pre-requisites are any of ARHT 1001 & 1002 or ASNS 1001 & 1002 or ASNS 1001 & ASNS 1101 or any one of ARPH 1001, ARPH 1002, ARPH 1003. **Prohibitions:** ARHT2041. **Assessment:** One paper to be presented in the first week

of Semester One 2006 plus a long essay to be presented in week 6 of Semester One 2006, 4000-4500 words in total.

NB: Fieldwork will be taught at Angkor Wat with daily on-site presentations by Associate Professor Roland Fletcher, and in Thailand by Professor John Clark. There will be oral presentations by students on specified evenings in both the Angkor and Thai modules. All students must register with the department by early November 2005 if they are going to take this module. Travel and accommodation costs only will be charged at about \$3,500. (This course is taught as an ordinary senior unit of so there are no Summer School or other special fees for this course).

The following concrete areas will be covered: Monuments and cities of ancient Cambodia, Iconography of SE Asian Hindu/Buddhist Art, Thai Buddhist Temples and Mural Paintings, Thai Buddhist sculpture in its historical development, Modernization and Contemporary Art in Thailand.

Textbooks

Recommended Readings:

Higman C. 1989. *The Archaeology of Mainland SE Asia from 10,000 BP to the fall of Angkor*. Cambridge University Press: Cambridge;

Jacques C. & Freeman M., 1999, *Ancient Angkor*, Thames and Hudson, London.

A course reader will be provided, together with site notes.

ARHT 2642 Art in the Age of the Samurai

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor John Clark. **Session:** Semester 1. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisites:** ARHT 1001, ARHT 1002 or ASNS 1001, ASNS 1002. **Prohibitions:** ARHT2042. **Assessment:** essay, tutorial paper to a total of 4000-4500 words.

The unit of study examines the history of Japanese art in its early modern formation from the early sixteenth to early nineteenth centuries. Particular attention will be paid to painting and prints, and the latter third of the course will re-construct both the intellectual and social milieu which gave rise to Ukiyo-e prints and paintings of the courtesan quarters.

Textbooks

Recommended Readings:

Gerhart, Karen M., 'The eyes of power: Art and early Tokugawa authority', Honolulu, University of Hawai'i Press, 1999;

Guth, Christine, 'Edo Art', London, Weidenfeld and Nicolson, 1996.

ARHT 2643 Art and Architecture of Modern Japan

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor John Clark. **Session:** Semester 2. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisites:** ARHT 1001, ARHT 1002. **Prohibitions:** ARHT2043. **Assessment:** essay and tutorial paper totalling 4000-4500 words.

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

This unit of study examines the development of modern Japanese art since 1850 and, in addition to painting and sculpture, extensive reference will also be made to crafts and architecture. Some of the critiques of modernity and their recent postmodernist recapitulation will be examined.

Textbooks

Recommended Readings:

Menzies, J., ed. *Modern Boy, Modern Girl*, Sydney, Art Gallery of New South Wales, 1998.;

Monroe, A., et al, 'Scream against the Sky: Japanese Art after 1945', New York, Harry N. Abrams, 1994.

ARHT 2652 From Silent to Sound Cinema

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Laleen Jayamanne. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1 hr tutorial and one 2hr film screening. **Prerequisites:** ARHT 1001, ARHT 1002. **Prohibitions:** ARHT2052. **Assessment:** one essay, one film analysis, one tutorial presentation totalling 4000-4500 words.

NB: Film Studies Core Unit. This unit is available as a designated 'Advanced' unit to students 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)

ARHT 2653 Cross-Cultural Perspectives on Cinema

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Laleen Jayamanne. **Session:** Semester 2. **Classes:** one 2hr lecture, one 2hr film screening, one 1hr tutorial. **Prerequisites:** ARHT 1001, ARHT 1002. **Prohibitions:** ARHT2053. **Assessment:** one essay, one film analysis, one tutorial presentation totalling 4000-4500 words. This course has three primary foci:

1. A historical study of independent cinema, or New Wave movements in post-World War II Europe, including Italian Neo-Realism, the French New Wave and New German Cinema among others.
 2. The study of Gilles Deleuze's thesis about these cinematic movements and the cinematic concepts that they gave rise to as elaborated in his books, *Cinema 1, Movement Image* and *Cinema II, The Time Image*.
 3. A study of the idea of Epic cinema as distinct from Dramatic cinema through a selection of films cross-culturally.
- In addition there will also be a selection of films of auteurs who help formulate cinematic ideas and concepts, such as for example the gothic, in innovative ways.

Despite the historical component of the course it is not structured chronologically but rather, conceptually. And the main concept is that of non-chronological time. This approach will enable an exploration of cinematic invention of new images of time itself. As such it is primarily concerned with cinematic aesthetics across different film cultures and the cultural politics essential to such invention will form an essential background to the course.

Textbooks

Recommended Readings:

'Towards Cinema and Its Double Cross-Cultural Mimesis', Laleen Jayamanne (Indiana University Press, Indiana, 2001)

ARHT 2655 Cinema and Spectatorship

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Keith Broadfoot. **Session:** Semester 2. **Classes:** 2hr lecture, 1hr tutorial and 2hr film screening. **Prerequisites:** ARHT 1002 or ENGL 1025. **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

Recommended Readings:

'Studying contemporary American film: a guide to movie analysis', Thomas Elsaesser & Warren Buckland, Oxford University Press, 2002;

'Viewing positions: ways of seeing film', ed., Linda Williams, Rutgers University Press, 1995.

ARHT 2656 National and Transnational Cinemas

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Richard Smith. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial, 2-3 hour film screening. **Prerequisites:** ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL 1005 (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

ARHT 2657 Contemporary Hollywood

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Richard Smith. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial, 2-3 hour film-screening. **Prerequisites:** ARHT 100 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL 1005 (for Film Majors). **Prohibitions:** ARHT2057. **Assessment:** Research Essay and Review Essay (total 4,000-4,500 words).

This unit of study will investigate the last two decades of the cinema of the USA, including Hollywood. Students will be introduced to the work of a number of established and emerging American filmmakers, to the work of a number of important film critics, and to is-

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sues concerning the theory and practice of film criticism. Critical and analytical focus will centre on the changing relation of subjectivity and time in independent cinema. Films that explore questions of subjectivity and that experiment with narrative structure will be featured.

Textbooks

Recommended Readings:

Wexman, Virginia Wright, ed., 'Film and Authorship', New Brunswick, New Jersey: RutgersUP, 2003.

ARHT 2664 Special Studies

6 credit points. B A, Dip Arts. TBA. **Session:** Semester 1. **Classes:** one 2hr lecture and one 1hr tutorial. **Prerequisites:** Credit and above in 12 Junior Credit points from any two ARHT units OR consent of Chair of Department. **Prohibitions:** ARHT2064. **Assessment:** 4000-4500 words of written assessment.

NB: Note: Only one Special Studies course may be taken at senior level.

Special Studies: Themes in Australian Art, colonial to post-colonial. This unit focuses EITHER on the specialist field of a visiting lecturer OR on the problematic of a special exhibition.

In 2006 the unit investigates recurring themes in representation within Australian art including identity and race, sexuality and gender, landscape, the city and urban society. The program moves between nineteenth century images and approaches adopted by artists to portray similar twentieth century concerns. We will follow some of art's central debates and use key concepts to pursue relevant issues in Australian art history and theory.

Note: Only one Special Studies course may be taken once at senior level.

ARHT 2671 Orientalism and Visual Culture

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Mary Roberts. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 100land ARHT 1002. **Prohibitions:** ARHT2071. **Assessment:** one essay and one visual test totalling 4000-4500 words.

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

In this course we examine Orientalist art and the culture of travel from a post-colonial perspective. As well as the work of major artists (Delacroix, Gerome and J.F.Lewis), we will place particular emphasis upon photography, as well as international exhibitions, travel literature and film. Diverse European constructions of the exotic Orient will be examined including the distinctive contribution of women Orientalists. In this course, the European canon of Orientalism is resituated through the introduction of counter-narratives and alternative images made by indigenous artists and patrons.

Textbooks

Recommended Readings:

'Orientalism: Delacroix to Klee', curated by Roger Benjamin, Art Gallery of New South Wales, Sydney, 1997.

Jill Beaulieu and Mary Roberts (eds), 'Orientalism's Interlocutors. Painting, Architecture, Photography', Duke University Press, Durham, 2002;

Reina Lewis, 'Gendering Orientalism. Race, Femininity and Representation', Routledge, London, 1996.

ARHT 2810 Art History and Theory Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

ARHT 2811 Art History and Theory Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

ARHT 2812 Art History and Theory Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

ARHT 2813 Art History and Theory Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

ARHT 2814 Art History and Theory Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

ARHT 4011 Art History and Theory Honours A

12 credit points. B A (Hons), Dip Arts(Hons). Dr Jennifer Milam - Honours Coordinator.

Session: Semester 1, Semester 2. **Classes:** Two-hour seminars. **Prerequisites:** Students wishing to do Honours in 2006 should have results of credit or better in at least 48

senior ARHT credit points, including the special entry unit ARHT2901 Recent Ap-

proaches to Art and Film or ARHT 2601 Recent Approaches to Art and Film. **Assess-**

ment: Art History and Theory IV Honours has 5 components: a thesis and 4 semester-

length seminars chosen from a pool of Units of Study. Weighting: dissertation 50%,

Units of Study: 4 totalling 50% Thesis on an approved subject: 15,000-18,000 words:

this will be written under the individual supervision of a member of staff.

NB: Department permission required for enrolment.

Seminar Units:

NOTE: These courses are based on weekly two-hour seminars. Students are required to submit written work totalling 4000 words for each option.

(a) ASIAN MODERNITIES. The unit will examine the theoretical and empirical implications of plural modernities in art, and not the singular, homogenous genealogy of Euramerican discussions. It examines problems of post-modern and post-colonial conceptions applied in Asian contexts, and the range of other models for interpreting modernities as parallel to or 'other' than those of Euramerica. Each student will present a theoretical survey of one issue and also an application of a theoretical position to a concrete Asian art historical case.

(b) AUSTRALIAN ART WRITING. The Unit explores the varieties of art writing, particularly those which engage with the ongoing production of art and its institutions. This will be pursued through: (i) a study of the practice of individual critics of modern art; (ii) examination of the work of recent and current art writers, particularly in Australia; (iii) direct practice in a number of different writing genres. The results of (i) and (ii) will be presented in the form of both class papers and essays; (iii) will take the form of writing exercises with stipulated frameworks

(c) CROSS-CULTURAL ART. This unit explores major issues and debates in the study of cross-cultural art. A central focus is the examination of contemporary art in relation to its colonial heritage. The theoretical issues that inform this subject include: the relationship between aesthetics and politics, post-colonialism and feminism, questions of cultural agency and resistance, the structure and operation of the colonial stereotype, cultural hybridity, cross-cultural borrowing and appropriation. Students should complete the subject with an understanding of both the broad theoretical issues and the historical/regional specificity of cross-cultural art forms.

(d) DEATH AND DISEASE IN RENAISSANCE ITALY. This course explore the interplay between art and disease in Renaissance Italy. Issues to be investigated include: the religious and psychological effects of catastrophic disease, such as the Black Death, and the possible effects on art; images of death and disease before and after the plague; the prophylactic role of images; Renaissance conceptions of the workings of the celestial court; civic, familial and individual patronage of plague images.

(e) FEMINISM AND FILM THEORY. This seminar will provide an overview of the history of feminist film theory, criticism and film, taken as a point of departure for the study of cinematic modulation of gesture and affect. The aim is to explore the powers and qualities by which film creates bodies of all sorts (both organic and non-organic), including of course gendered bodies. This is therefore a course

on film aesthetics with a precise focus on the study of how filmic powers and qualities are activated across a range of films (Hollywood genre films and Independent films). Gilles Deleuze' film theory will be used in this course as analytic tools to open up the field to further experimentation.

(f) **FILM THEORY: ART, INDUSTRY, CULTURE.** The relation of film to industrial modernity is an ongoing issue for film theorists. With the advent of digital image processes and production the relation of art and industry has re-emerged with a new set of problems. How do we conceptualise the new forms? What theoretical and aesthetic language (s) do we draw on? And how best to rethink film in the face of rapid technologica, formal and cultural change? These issues will be investigated via an examination of the history of film theory's attempts to formulate concepts adequate to the age of industrial modernity

(g) **MATISSE AND PICASSO, DISCOURSE AND EXHIBITION.** The unit offers a parallel study of the European modernists Henri Matisse and Pablo Picasso from their earliest academic training in 1890 to the aftermath of World War Two. Situating them within the avant-garde and its institutions, it encompasses Fauvism, analytic and synthetic Cubism, decorative modernism, the Return to Order, Surrealism, and the Cutout. Key artworks will be a focus for analyses of the criticism of the day. Current interpretative models, textual as well as exhibition-based (eg. 'Matisse/Picasso', MoMA, New York) will also be debated.

(h) **THE BUSINESS OF ART.** This unit of study introduces students to historical and theoretical perspectives on changing notions of value (aesthetic and monetary) in art markets, conflicts of interest in collecting and exhibiting works of art, ethical issues involved in corporate sponsorship of exhibitions and prizes, corporate museums, funding issues in the private and public sectors, the rise of satellite museum collection (in places like Bilbao and Las Vegas), the relationship between art museums and tourism, and corporate justification of interventions into the art world.

(i) **THE STUDY OF WORKS OF ART AS PHYSICAL OBJECTS.** This course introduces students to object-based skills and issues in the history of art. It considers issues and problems related to connoisseurship, conservation, display, and interpretation in the context of museums and art galleries. The course also provides an introduction to the materials and techniques of art production. Much of the material is presented on-site by curators of the Art Gallery of NSW. Assessment is by an acquisition report, along with a plan and catalogue essay for an exhibition proposed by the student.

Textbooks

Recommended Readings:

ASIAN MODERNITIES: Clark, John, 'Modern Asian Art', Honolulu, University of Hawai'i Press, 1998; Asian Modernism: Diverse Development in Indonesia, the Philippines and Thailand', Tokyo, Asia Center, 1995.
 AUSTRALIAN ART WRITING: Bernard Smith (with Terry Smith), Australian Painting', Oxford University Press, (4th Ed, 2001); Andrew Sayers, 'Australian Art', OUP, 2001; Joan Kerr, 'Heritage: The National Women's Art Book', CUP, Sydney, 1995; Ian Burn et al., 'The Necessity of Art: An Essay About Interpretation', Power Publications, 1998; Ben Genocchio, 'The Art of Persuasion: Australian.
 CROSS CULTURAL ART: Zeynep Celik, "Speaking Back to Orientalist Discourse at the World's Columbian Exposition", 'Noble Dreams Wicked Pleasures, Orientalism in America, 1870-1930', Princeton University Press and Sterling and Francine Clark Art Institute, New Jersey and Williamstown, 2000, pp. 77-97;
 DEATH AND DISEASE IN RENAISSANCE ITALY: P. Ziegler, The Black Death, London, 1969
 M. Meiss, Painting in Florence and Siena after the Black Death, Princeton, 1951 (and later reprintings)
 L. Marshall, "Manipulating the Sacred: Image and Plague in Renaissance Italy", Renaissance Quarterly, 47, 1994, 485-532.
 FEMINISM AND FILM THEORY: 'Viewing Positions: Ways of Seeing Film', ed. Linda Williams, (Rutgers University Press, N. J., 1994).
 FILM THEORY: ART, INDUSTRY, CULTURE: Manovich, Lev. 'The Language of New Media'. Cambridge Massachusetts: MIT Press, 2001.
 MATISSE AND PICASSO: Elizabeth Cowling, et al, 'Matisse Picasso', Tate Publishing, London, 2002.
 THE BUSINESS OF ART: Mark W. Rectanus, 'Culture Incorporated: Museums, Artists and Corporate Sponsorship' (University of Minnesota Press, 2002); Chin-tao Wu, 'Privatising Culture: Corporate Art Intervention since the 1980s', Verso, 2003.
 THE STUDY OF WORKS OF ART AS PHYSICAL OBJECTS: Beck, James, " "New" Color on the Sistine Ceiling and Other Issues", Arts Magazine, May 1987, 72-3
 Weil-Garris Brandt, Kathleen, "Conference Report: London Symposium on the Conservation of wall-paintings", The Burlington Magazine, CXXIX, November, 1987, 753-55.

ARHT 4012 Art History and Theory Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: ARHT4011.
 Refer to ARHT 4011

ARHT 4013 Art History and Theory Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: ARHT4012.
 Refer to ARHT 4011

ARHT 4014 Art History and Theory Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: ARHT4013.
 Refer to ARHT 4011

Arts Informatics

ARIN 1000 History and Theory of Informatics

6 credit points. B A Informatics, B C S T, BIT, UG Study Abroad Program. Ms Cleland. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Corequisites:** ISYS1003 or INFO 1000 or INFO 1003. **Prohibitions:** Available to BA Informatics, BCST and BIT students only. **Assessment:** 1500wd essay, 1500wd tutorial presentation, in-class test and tutorial participation.

Today we live in an "Information Age" where computer-based information technologies, from the Internet and e-commerce to virtual reality and computer games, have revolutionised the way we live, work, communicate and entertain ourselves. In this subject we will closely examine the political, historical, social, cultural and aesthetic dimensions of this information revolution

Textbooks

Set text: the ARIN 1000 Course Reader

ARIN 2600 Technocultures

6 credit points. B A Informatics, UG Study Abroad Program. Dr C Chesher. **Session:** Semester 1. **Classes:** one 2hr lecture and one 1hr tutorial. **Prerequisites:** 18 junior credit points. **Prohibitions:** ARIN3000. **Assessment:** Review essay (1500 words) Online project (1000 words) Research essay (2000 words) Participation.

Technocultures explores how technology and culture are bound together in increasingly complex ways. Information and communication technologies in particular are contributing to widespread reconstructions of writing, sociality, politics, aesthetics, perception, memory and thought itself. Drawing on recent critical theory and cultural research, this unit offers ways to unravel the complex interplay between humans and technologies.

Textbooks

Set text: the ARIN2600 Course Reader

ARIN 2610 Web Production

6 credit points. B A Informatics, UG Study Abroad Program, UG Summer/Winter School. K. Cleland. **Session:** Semester 2, Semester 1, Summer. **Classes:** 1 hour lecture, 2 hour workshop. **Prerequisites:** 18 junior credit points. **Prohibitions:** ARIN 2100. Available to students enrolled in the BAI and BA.. **Assessment:** Website Review 1,000 Online project—website (equivalent to 2,500 words) Project report 1,000 words. This unit of study introduces students to key concepts and skills for producing multimedia for the World Wide Web. Students will critically examine dominant design methodologies to understand contemporary genres of Internet content and connectivity. They will learn simple programming languages and content creation tools to build and manage websites in a way that is appropriate to specific researched contexts

Textbooks

ARIN 2610 Course reader

ARIN 2620 Cyberworlds

6 credit points. B A Informatics, UG Study Abroad Program. C. Crowe. **Session:** Semester 1. **Classes:** 3 hrs/wk. **Prohibitions:** ARIN2200 Available to students enrolled in the BAI and BA. **Assessment:** 1 x 750 word paper/review1 x 3000 word project/essay 1 x 750 word journal.

Are online encounters different from face-to-face encounters? Are online communities 'real' communities? This unit of study introduces students to key perspectives, themes and debates in the expanding world of cyberspace and cyberspace communities. Students will examine issues such as sexuality, gender and race in relation to notions of identity, power and 'deviance' in cyberspace, and investigate the national and global production and consumption of cyberworlds in relation to professional and personal relationships.

Textbooks

ARIN 2620 Course Reader

ARIN 2630 Digital Arts

6 credit points. B A Informatics, UG Study Abroad Program. K. Cleland. **Session:** Semester 2. **Classes:** 2 hour lecture, 1 hour tutorial. **Prerequisites:** 18 junior credit points. **Prohibitions:** ARIN 2300. **Assessment:** 1 essay (2000 words), 1 review (1000 words), research project equivalent to 1500 words.

NB: Available to students enrolled in the BA Informatics and BA students. 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

Christiane Paul. Digital Art. London: Thames & Hudson, 2003

ARIN 3620 Research Practices in Arts Informatics

6 credit points. B A Informatics. Ms Crowe. **Session:** Semester 2. **Classes:** 3 hrs/wk.

Prerequisites: ARIN 1000 and either ISYS1003 or INFO 1000 or INFO 1003. **Prohibitions:** ARIN 2000 Available to BAI students only.. **Assessment:** 1 x 750 wordpaper/reviewl x 3000 word project/essay 1 x 750 word journal.

This unit introduces students to key themes, methodologies and practices in Arts Informatics research, including how to collect, interpret and analyse material. Students will critically engage with current debates in research methodology including: the use and development of theory; research ethics; and the relationships between observation and interpretation. Students will engage with a number of qualitative and quantitative forms of analysis, including participatory methods, interviews, surveys, discourse analysis, content analysis and case studies

Textbooks

ARIN3620 Course Reader

ARIN 3650 Arts Informatics Project 1

6 credit points. B A Informatics. Dr C Chesher. **Session:** Semester 1. **Classes:** 2 hour seminar 1 hr consultation with supervisor. **Prerequisites:** ISYS3403 (ISYS3113), ISYS 3400 (ISYS3207) and ARIN3620 (ARIN2000). **Prohibitions:** ARIN3500 or ARIN3600 Available to BAI students only. **Assessment:** Informatics Object Review (1000 words) Research Essay (2000 words) Project Proposal (1500 words) Participation.

In this Unit of Study students will research and develop a detailed proposal for an informatics project. This will give students in the BAI the opportunity to apply, extend and inter-relate the skills and knowledge they have gained from their Information Systems major, their Arts major, and Arts Informatics units. This proposal will form the basis of the project in ARIN3660.

Textbooks

ARIN 3650 Course Reader

ARIN 3660 Arts Informatics Project 2

6 credit points. B A Informatics. Dr C Chesher. **Session:** Semester 2. **Classes:** 2 hour seminar 1 hour consultation with supervisor. **Prerequisites:** ISYS3403 (ISYS3113), ISYS 3400 (ISYS3207) and ARIN3620 (ARIN2000) ARIN3650. **Prohibitions:** ARIN3500 or ARIN3600 Available to BAI students only. **Assessment:** Project Presentation (1500 words equiv) Project Prototype (2000 words equiv) Project Report (1000 words) Participation.

In this Unit of Study students will develop a prototype of the informatics project that they proposed in ARIN3650. Through this project they will demonstrate strategies, skills and knowledge from their studies in Information systems, the Arts and Arts Informatics.

Textbooks

ARIN 3660 Course Reader

Asian Studies

ASNS 1001 Modern Asian History and Cultures 1

6 credit points. B A, B E, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 2 lectures & 1 tutorial per week. **Assessment:** One 2 hour exam or equivalent (40%), two 1000 word essays or equivalent; 60% for classwork (of which 10% is tutorial participation).

This unit introduces the study of Asia through a focus on broad concepts and themes which may be applied in a comparative and interdisciplinary way to the various countries and regions that make up what we call 'Asia'. The unit of study is divided into several modules each concentrating on a different theme and raising questions about continuities and change in the modern period.

ASNS 1002 Modern Asian History and Cultures 2

6 credit points. B A, B E, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lectures & 1 tutorial per week. **Assessment:** One 2 hour exam or equivalent, one 2000 word essay or equivalent, 60% for classwork, 40% for exams.

This unit offers a thematic approach which is varied through regional specialisation. All students will attend a set of common lectures which raise questions of a comparative nature and deal with such issues as modernisation and social change in the 19th and 20th centuries. Students will have the opportunity to specialise by exploring particular developments through a specifically designed tutorial program. Specialised tutorials may be offered from the following: India, Southeast Asia, Korea and Japan.

ASNS 1101 Introduction to Chinese Civilisation

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Prof. Dunstan. **Session:** Semester 1. **Classes:** Two lectures, one tutorial per week. **Assumed Knowledge:** No prior knowledge is assumed. All teaching and all assigned readings are in English; however, a Chinese-language tutorial option may be provided. **Assessment:** Classwork (20 %); informal writing assignment(s), e.g. workbook (20%); two 1500-word essays (25% and 35%).

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. Either Patricia Buckley Eby, The Cambridge Illustrated History of China. Cambridge: Cambridge University Press, 1996; or Jacques Gernet. A History of Chinese Civilization. Second edition. Cambridge: Cambridge University Press, 1996.

ASNS 1801 Asian Studies Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ASNS 2618 Remaking Chinese Society, 1949-Present

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr David Bray and Dr Eddy U. **Session:** Summer, Semester 1. **Classes:** Two lectures and one tutorial per week; students may attend either an English-language or a Chinese-language tutorial. **Assumed Knowledge:** Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (e.g., Edwin E. Moise. Modern China: A History. Second edition. Longman, 1994) before the start of the semester. **Prerequisites:** 12 junior credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology, or any combination of the above. **Prohibitions:** ASNS2118. **Assessment:** Classwork (10%); 2000-word essay (30%); oral presentation based on work for essay (20%); other writing assignments, which may include one or more class tests (total of 2500 words or equivalent; 40%).

NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Please note that the information provided here is intended to apply to the version of this unit offered in the regular semester. Appropriate adjustments are made for the Summer School version.

The history of the People's Republic of China comprises two periods. In the Maoist era (1949-1978), the Communist-led government attempted to build a centrally planned, socialist society in which politics dominated people's daily lives. In the post-Mao era (since 1978), by contrast, the socialist institutions have largely been dismantled in pursuit of a market-based alternative. This unit of study explores key social, political, cultural and economic features of both periods and analyses the problems and paradoxes of transition.

Textbooks

Maurice Meisner. Mao's China and After: A History of the People's Republic. Third edition. New York: Free Press, 1999.

Anthology of readings available online and/or from the University Copy Centre.

ASNS 2620 Classical Indian Philosophy

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Peter Oldmeadow. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 12 Junior credit points in Asian Studies, History, Economic History, Religious Studies, Art History and Theory, Philosophy or an Asian Language. **Prohibitions:** ASNS 2212. **Assessment:** 4000 to 4500 words of assessment (essay 3000 words, tutorial paper 1200-1500 words).

After a brief introduction to Indian religious thought the unit concentrates on the main currents in Classical Indian Philosophy and the schools which flourished between the third and twelfth century C.E. The focus of this unit will be on the 'orthodox' Hindu schools but extensive reference will be made on competing Buddhist and Jain ideas. Arguments concerning the nature of consciousness and the ontological status of the physical world, logic and epistemology, and theories of language will be covered.

ASNS 2621 Buddhist Philosophy

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 18 junior credit points made up from Table A but may include PALI 1001 or PALI 1002. **Prohibitions:** ASNS 2313. **Assessment:** 4000 to 4500 words of assessment; essay (3000 words); tutorial paper (1200-1500 words).

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.

ASNS 2632 Modern Japanese Social History

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Prof Elise Tipton. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 12 credit points in Asian Studies, History, Government and International Relations and/or an Asian language. **Prohibitions:** ASNS 2308. **Assessment:** Class presentation (equivalent to 500 words); one 2000 word essay; one 1.5 hour semester exam; continuous assessment, including class participation and writing tasks (equivalent to 500 words).

NB: This unit is available as a designated 'Advanced' unit to students 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.

ASNS 2634 **Prelude to Modernity: Tokugawa Japan**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Olivier Ansart. **Session:** Semester 2. **Classes:** 3 contact hours per week and 4500 words of assessment. **Prerequisites:** 12 credit points in Asian Studies, History, Economic History, Government and International Relations, and/or an Asian language. **Prohibitions:** ASNS 2304. **Assessment:** Attendance and participation in tutorials (15%); tutorial writing tasks and essays equivalent to 2500 words (45%); 2 hour final exam (2000 words, 40%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

ASNS 2636 **The Enigma of Japanese Power**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Olivier Ansart. **Session:** Semester 1. **Classes:** 3 contact hours per week and 4500 words of assessment. **Prerequisites:** 12 Junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian language. **Prohibitions:** ASNS 2306 or JPNS 2316. **Assessment:** Attendance and participation in tutorials (15%); tutorial writing tasks and essay equivalent to 2500 words (45%); 2 hour final exam (2000 words, 40%).

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

The usual but contradictory descriptions of Japanese society (hierarchical but egalitarian, adaptable but conservative and traditional, consensual but authoritarian, etc.) show that "power" - manifest or hidden in decision making, consensus building, conflict resolution or avoidance - is the enigma of Japan.

We will focus on power relationships in politics, administration, enterprises, families, schools, etc, survey the various explanations proposed to solve the enigma and, more generally, learn about the origins, forms and treatments of power and conflict relations.

ASNS 2640 **Mass Media in Korea**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ki-Sung Kwak. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. **Prohibitions:** KRNS 2511 or KRNS 2611 or ASNS 2511. **Assessment:** One 1000-word tutorial paper; one 1500-word essay; final exam (2000 words, 2 hours).

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

This subject introduces students to the media industry, processes, policies and practices in South Korea, by examining the historical development and operational practice of mass media in Korea. This unit looks at Korean media within the context of regionalisation and internationalisation, which emerged with the introduction of new communication technologies. The major topics include the development of mass media and foreign influence; social and cultural role of the media; state control over media and its relationship with the media; new media technology and its impact on current media structure and on the Korean society.

ASNS 2641 **Traditional Korea**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Pankaj Mohan. **Session:** Semester 2. **Classes:** 3 hours per week (one 2 hour lecture & one 1 hour tutorial). **Prerequisites:** 12 credit points in Asian Studies, Media Studies, History, Religion, Art History and/or an Asian language. **Prohibitions:** ASNS 2501. **Assessment:** Attendance and contribution to tutorial discussions (20%), one 2500 word essay (40%), and a 2 hour final exam (or essay) (2000 words, 40%).

This unit of study aims to introduce Korea's historical experience from antiquity to the early phase of the Choson dynasty (1392-1910). Topics include sources and historiography of early Korea; foundation myths and legends of the Three Korean Kingdoms; process of state formation and subsequent political developments; religious ideology, focusing on Buddhism; and cultural and social traditions of Korea from the 4th to the 15th century. These topics will enable students to understand and appreciate the uniqueness of Korean identity.

Textbooks

Carter J. Eckert, et. al, Korea Old and New: A History (Seoul: Ilchokak Publishers)

ASNS 2642 **Modern Korea**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Pankaj Mohan. **Session:** Semester 2. **Classes:** 3 hours per week (one 2 hour lecture & one 1 hour tutorial).

Prerequisites: 12 credit points in Asian Studies, Media Studies, History, Government and/or an Asian language. **Prohibitions:** ASNS 2502. **Assessment:** Attendance and contribution to tutorial discussions (20%); one 2500 word essay (40%); a 2 hour final exam (or essay) (2000 words, 40%).

This unit of study 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.

ASNS 2651 **Asian Studies Exchange**

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ASNS 2652 **Asian Studies Exchange**

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ASNS 2653 **Asian Studies Exchange**

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ASNS 2654 **Asian Studies Exchange**

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ASNS 2655 **Asian Studies Exchange**

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ASNS 2656 **Asian Studies Exchange**

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ASNS 2660 **Islam, Trade & Society-Arabia to SE Asia**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor Worsley, A/Professor Shboul. **Session:** Semester 2. **Classes:** 3 hours per week (2 lectures and 1 tutorial). **Prerequisites:** 12 Junior credit points in Arab World, Islam and the Middle East, Asian Studies, History, Economic History, Government and Public Administration and/or an Asian Language. **Prohibitions:** ASNS 2402. **Assessment:** Attendance and participation in tutorials (15%); tutorial writing tasks and essays equivalent to 2500 words (45%); 2 hour final exam (2000 words, 40%).

This unit of study will examine the commercial, religious and cultural relations between the Islamic world of West Asia and Southeast Asia between the ninth and eighteenth centuries. Some attention will be paid to the role of India in these relationships. The unit of study will explore the development of Islamic commercial, political, religious and social ideas and practices in West Asia and examine the economic, political, religious and social conditions associated with the localisation of these ideas and practices in Southeast Asia in this period.

ASNS 2661 **History of Modern Indonesia**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Mr Max Lane. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language or departmental permission. **Prohibitions:** INMS 2901 or ASNS 2401. **Assessment:** One 2000 word essay (45%); a 2 hour exam (45%); class participation (10%).

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

This unit examines the history of Indonesia, the worlds 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.

ASNS 2662 **Southeast Asian Dictators & Democracies**

6 credit points. B A, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology or an Asian Language or departmental permission. **Prohibitions:** ASNS 2414 or ASNS 2416. **Assessment:** 2 hour exam (45%); 2000 word essay (45%); class participation (10%).

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

This unit examines post-World War II Indonesia, Thailand, Malaysia, Singapore, Burma and the Philippines. It focuses on the emergence of varied forms of authoritarian and semi-authoritarian rule from the 1950s, and, from the 1980s, growing pressures for more democratic government. We will investigate a range of approaches for studying authoritarianism and democratisation in the region, including those which emphasise political culture and tradition, economic growth

and crisis, political elites, class conflict, civil society and globalisation.

ASNS 2670 Mass Media in East Asia

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ki-Sung Kwak. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. **Prohibitions:** KRNS 2600, ASNS 2600. **Assessment:** One 1000-word tutorial paper, one 1500-word essay and a final exam (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.

ASNS 2671 Australia & Asia: Ripples & Reflections

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ki-Sung Kwak. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language. **Prohibitions:** ASNS 2700. **Assessment:** One 1000-word tutorial paper; one 1500 word essay; one 2 hour final exam (2000 words).

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

Is Australia a part of Asia? This unit will give students an understanding of Australia's interaction with Asia from the late nineteenth century to the present. The focus will be primarily on cultural interaction and representations in the media and popular culture. Students will analyse representations in the light of empirical evidence and present their own interpretations of contemporary developments. They will also develop an understanding of the impact of broader regional and international concerns and relationships on countries in Asia.

ASNS 2675 Gender in East Asian History and Culture

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof. Dunstan. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Assumed Knowledge:** Students with no prior knowledge of East Asian history are encouraged to read at least one basic textbook (e.g., Murphey, East Asia: A New History) before the start of the semester. **Prerequisites:** 12 junior credit points from Part A of the Table of Units of Study in the Faculty of Arts. **Prohibitions:** ASNS 2711. **Assessment:** Classwork (20%); a 2,500-word essay (35%); oral presentation based on work for essay (15%); other writing assignments (e.g., dossier of reflections on the assigned readings) (2,000 words in total; 30%).

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

This unit of study uses a gender perspective to address the history and culture of one or more East Asian countries. In 2006, there will be material on China, Japan and Korea. Topics include gender identity and roles; marriage patterns and kinship structures; women's literacy and culture; literary treatment of gender issues; gender in relation to the dominant belief systems; women outside the family; masculinity; sexuality; and modern change. These topics will be explored through recent scholarship on East Asian gender history and study of primary sources in translation.

Textbooks

Susan Mann and Yu-yin Cheng. *Under Confucian Eyes: Writings on Gender in Chinese History*. Berkeley: University of California Press, 2001.
Selected readings available online and/or from the University Copy Centre.

ASNS 3619 China and Globalisation

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Eddy U and Dr David Bray. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week; students may attend either an English-language or a Chinese-language tutorial. **Prerequisites:** 12 credit points in Chinese language or Asian Studies or Government, History, Economic History, Economics, Sociology or Anthropology, or another Asian language, or any combination of the above. **Assessment:** Classwork (20%); one one-hour test (20%); one 1,000 word essay or equivalent writing assignment (20%); one 2,500 word essay (40%).

NB: 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.

ASNS 3690 Approaches to Research in Asian Studies

6 credit points. B A, Dip Arts. Dr Olivier Ansart and others. **Session:** Semester 2. **Classes:** 2 contact hours per week and 6000 words of assessment. **Prerequisites:** Credit average or above in a minimum of 30 senior credit points of Asian Studies or Asian language. **Prohibitions:** ASNS/JPNS/CHNS/INMS 3902. **Assessment:** Class work (20%); a 3000 word research proposal (40%); bibliographical exercise (equivalent

to 1000 words, 10%); presentation based on draft proposal (10%); critical reviews or other written assignments (2000 words, 20%).

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

This unit of study 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.

ASNS 4011 Asian Studies Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ASNS 4012 Asian Studies Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ASNS4011.

ASNS 4013 Asian Studies Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ASNS4012.

ASNS 4014 Asian Studies Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ASNS4013.

Australian Literature

ASLT 2601 Australian Literature 1920-1960

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Rowe and Professor Webby. **Session:** Semester 2. **Classes:** Two 1 hr lectures, one 1 hr tutorial/week. **Assumed Knowledge:** None. **Prerequisites:** 18 Junior credit points. **Prohibitions:** ASLT2001. **Assessment:** One 1200 wd essay (mid-semester, 30%), one 3000 wd take-home exam (end-of-semester, 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
Stead C. For Love Alone. Angus & Robertson
Resource book, containing poetry and short fiction from the period.

ASLT 2603 Intro to Indigenous Australian Writing

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr van Toorn. **Session:** Semester 1. **Classes:** One 1 hour lecture and one 1 hour tutorial per week. **Assumed Knowledge:** None. **Prerequisites:** 18 Junior credit points. **Prohibitions:** ASLT2003. **Assessment:** One 1500 word essay (mid-semester, 25%), one 1500 word essay, late semester (25%) and one 3000 word take-home exam (end-of-semester, 50%).

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

This unit of study examines a range of Indigenous Australian writings from early colonial times to the present. It focuses on plays, novels, poetry, autobiography, and children's literature, as well as oral narratives and traditional non-alphabetic forms of writing. As products of a cross-cultural creative dynamic, Indigenous writing provides unique insights into history, culture, politics and everyday life. The lectures will also address a range of theoretical and political questions surrounding the making, reading and evaluation of Indigenous texts.

Textbooks

Jack Davis, *Plays From Black Australia*. UQP
Samuel Wagan Watson, *Itinerant Blues*. UQP
Anita Heiss, *The Diary of Mary Talence*. Scholastic
Rita Huggins & Jackie Huggans, *Auntie Rita*. Aboriginal Studies Press.
Meme McDonald & Boori Pryor. *The Binna Binna Mani*. Allen & Unwin
Stories Without End, Southerly 62/2 special edition. Halstead Press.
Resource Book

ASLT 2608 Special Study: Judith Wright and AD Hope

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Brooks. **Session:** Semester 2. **Classes:** One 2hr seminar/week. **Prerequisites:** 18 Junior credit points. **Prohibitions:** ASLT2008. **Assessment:** One 2000 word essay (mid-semester, 40%) & one 4000 word take-home exam (end-of-semester, 60%).

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

The unit proceeds through close, revisionary readings of key poems and related documents to an understanding of the careers and changing poetics of two poets, a man and a woman, central to the development of Australian poetry, Australian literature, and Australian thought more generally in the mid and late twentieth century.

Textbooks

Wright J. *Collected Poems*. HarperCollins
Brooks D, ed. *A.D. Hope: Selected Poetry and Prose*. Halstead Press

ASLT 2609 Australian Literature 1988 to Present

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Brooks. **Session:** Semester 1, Summer. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 18 Junior credit points. **Prohibitions:** ASLT2009. **Assessment:** One 1200 word essay (mid-semester 30%), and one 3000 word take-home exam (end of semester 70%).

This unit will introduce students to some major Australian texts and writers of the last two decades. While its main focus will be on fiction, poetry and non-fiction, there will also be an emphasis on texts which aim to subvert or question such generic boundaries. Other issues to be discussed will include the rewriting of Australian history from postcolonial and Indigenous perspectives; the representation of gender and sexuality in recent Australian writing; cross-cultural writing and literature in translation.

Textbooks

Astley, T. *Drylands* (Viking)

Bail, M. *Eucalyptus* (Text)

Porter, D. *The Monkey's Mask* (Hyland House)

Other texts, especially those by contemporary poets, will be set according to what is in print at the time the unit is to be taught, or made available in a Resources book.

ASLT 2617 Writing and Justice

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Brennan. **Session:** Semester 1. **Classes:** One 2 hr seminar/week. **Prerequisites:** 18 Junior credit points. **Assessment:** One mid-semester essay (2000 wds:30%); one end-semester essay (4000 wds:70%).

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

This unit is designed to encourage students to consider some of the ways writers and filmmakers address issues of moral, legal and social justice. Beginning with consideration of Dostoyevsky's *Crime and Punishment* it goes on to explore how various forms of writing - essays, poetry, fiction, non-fiction - and film seek to intervene in current political and ethical discussions occurring at a national and international level.

Textbooks

Dostoyevsky, F. *Crime and Punishment*. New Penguin Classics Edition

Durbach, A. *Upington*. Allen & Unwin

Gamer, H. *Joe Cinque's Consolation*. Picador

Scott, R and T. Keneally, eds. *Another Country* (Southerly 64:1:2004). Halstead Press*

Film:

Letters to Ali (dir. Clara Law & Eddie Fong, 2004)

Dead Heart (dir. Nick Parsons, 1996)

Drama:

Jane Harrison Stolen. Currency Press.

A course reader will be provided with a selection of essays, poems, short fiction and excerpts from larger works.

ASLT 3601 Australian Literature Research Methods

6 credit points. B A, Dip Arts. Professor Webby. **Session:** Semester 1. **Classes:** Seminar: 2 hours/week. **Prerequisites:** 18 Senior credit points in Australian Literature with credit average. **Prohibitions:** ASLT3901. **Assessment:** One 2000 wd seminar paper, 30%; one 4000 wd essay, end-semester, 70%.

NB: 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 the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

ASLT 3602 Australian Literature Research Issues

6 credit points. B A, Dip Arts. Dr Brooks. **Session:** Semester 2. **Classes:** Seminar: 2 hours/week. **Prerequisites:** 18 Senior credit points in Australian Literature with Credit average and ASLT3601. **Prohibitions:** ASLT3902. **Assessment:** One 2000 wd essay, mid-semester, 30%; one 4000 wd essay, end-semester, 70%.

NB: 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 the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

ASLT 4011 Australian Literature Honours A

12 credit points. B A (Hons), Dip Arts(Hons). Professor Webby, Dr Brennan, Dr Brooks, Dr Rowe. **Session:** Semester 1, Semester 2. **Classes:** Students will take four semester units of study. In addition to the Australian Literature Semester Options, students may also choose up to two semester units of study from those offered for the MA program or for English IV. **Prerequisites:** Credit or above in 48 Senior credit points in Australian Literature including ASLT 3901 and 3902 (may include up to 18 Senior credit points of English and/or Australian Studies)). **Assessment:** All students will submit a long essay on a topic to be approved. Essays are 17,000 words in length, and are due on Monday 16 October 2006. Each semester option is assessed by a 4000 word essay.

NB: Department permission required for enrolment.

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Australian Poetry and the Symbolists

Dr Brooks. Semester 1. Classes: 2 hrs per week.

A study of the poetics and key poetry of the 'Symboliste' movement and its role in the development of Australian poetry from 1900 to the present day.

Texts will include:

Poe E A. *The Fall of the House of Usher and Other Writings*. Penguin

Baudelaire C. *Selected Poems*, trans. Joanna Richardson. Penguin Classics.

Rimbaud A. *Complete Works*, trans. Paul Schmidt. Picador Classics. (Or equivalent)

Mallarmé S. *Selected Poetry and Prose*, ed. Mary Ann Caws. New Directions

Rilke R M. *Selected Poems*, trans. Leishman. Penguin. (Or equivalent)

Brennan C. *Poems 1913*, ed. Adamson. HarperCollins

McAuley J. *Poetry, essays and personal commentary*, ed. Kramer. UQP

Hope A.D. *Selected Poetry and Prose*, ed. Brooks. Halstead Press.

Wright J. *Collected Poems*. HarperCollins

Tranter J. *Selected Poems*. Hale & Iremonger

Adamson R. *Selected Poems*. UQP

Journeys of Healing

Dr Brennan. Semester 1. Classes: 2 hrs per week.

This Unit of Study is designed to introduce some complex, (largely) contemporary, Australian texts and films that deal in various ways with traumatic journeys through physical and psychological landscapes towards a sense of personal reconciliation.

Texts:

Randolph Stow, *To the Islands*. Penguin (1958)

Eva Sallis, *Hiam*. Allen & Unwin (1998)

Kim Mahood, *Craft for a Dry Lake*. Anchor/Random House (2000)

Robert Dessaix, *Night Letters*. Macmillan (1996)

Kim Scott, *Benang: From the Heart*. Fremantle Arts Centre Press (1999)

Alex Miller, *Journey to the Stone Country*. Allen & Unwin (2002)

Inga Clendinnen, *Tiger's Eye*. Text (2000)

Films:

Japanese Story (dir. Sue Brooks, 2003)

Yolngu Boy (dir. Stephen Johnson, 2000)

Beneath Clouds (dir. Ivan Sen, 2002)

Selection of Australian poetry and theoretical readings provided in course reader.

Australian Women's Writing

Professor Elizabeth Webby. Semester: 2. Classes: 2 hours per week. The course will study some of the writing produced by Australian women over the past two hundred years. While there will be discussion of women's contribution to a number of genres, including poetry, drama, journalism and other types of non-fiction, there will be a particular focus on the novel and on the ways in which fiction and autobiography become entangled in the process of writing and reading texts.

Texts

A resource book, available from the Copy Centre, will cover poetry, journalism and selected readings. Other set texts will include:

Rosa Praed, *Policy and Passion*. Sydney University Press

Miles Franklin, *My Brilliant Career*. A&R Classics

Christina Stead, *For Love Alone*. Angus and Roberston

Kylie Tennant, *Ride On Stranger*. A & R Classics

Rosa Cappiello, *Oh Lucky Country*. Sydney University Press

Shirley Hazzard, *The Great Fire*. Virago

Assessment will be by a 4000 word essay at the end of the course. Students will also be expected to lead the discussion in one of the seminars.

Australian Postmodernism

Dr N. Rowe. Semester: 2. Classes: 2 hours per week.

This seminar examines a range of Australian texts in the light of postmodern questions. Among the issues to be explored are: unwriting meta-narratives; writing and/as re-writing; the death of the author/birth of the reader; alliances of textuality, truth and power; discursive (de)constructions of the subject; relations between the post-modern and the postcolonial.

Texts::

Brennan M. *The Imageless World*. Salt

Carey P. *My Life as a Fake*. Random House

Castro B. *Shanghai Dancing*. Giramondo

Jones, G. *Black Mirror*. Picador

Lilley, K. *Versary*. Salt

5. Undergraduate units of study

Modjeska D. Poppy. Penguin

Porter D. The Monkey's Mask. Hyland House

The seminar will also include work by: David Brooks, Lionel Fogarty, J. S. Harry, Kevin Hart, Dean Kiley and 'Ern Malley'.

ASLT 4012 Australian Literature Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.

Corequisites: ASLT4011.

NB: Refer to ASLT4011

Refer to ASLT4011

ASLT 4013 Australian Literature Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.

Corequisites: ASLT4012.

NB: Refer to ASLT4011

Refer to ASLT4011

ASLT 4014 Australian Literature Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.

Corequisites: ASLT4013.

NB: Refer to ASLT4011

Refer to ASLT4011

Australian Studies

ASTR 2601 Australia: Land and Nation

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Penny Van Toorn. **Session:** Summer, Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisites:** 18 junior credit points. **Prohibitions:** ASTR2001. **Assessment:** One 1000 word essay (25%), one 2000 word take-home exam (end of semester 40%), oral presentation equivalents 1000 words (25%, class participation (10%).

NB: May be cross listed to a major in Australian Literature. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

A study of some of the interactions between the 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 the land and the nation: the different names for Australia and parts of Australia given by Indigenous peoples, early European explorers and white settlers; poems, essays, films and other visual material with a specific focus on Australia as land and nation.
2. Changing European perceptions of the Australian environment and landscape.
3. Concepts of the nation as demonstrated in the move to federation at the end of the 19th century, to a republic at the end of the 20th century and through the battle for Aboriginal land rights.

Textbooks

A reader will be available for this unit of study from the Copy Centre.

ASTR 2602 Histories, Narratives and Images

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Rooney, Dr Van Toorn & others. **Session:** Semester 2. **Classes:** Two 1 hr lectures, one 1 hr tutorial/week.

Prerequisites: 18 junior credit points. **Prohibitions:** ASTR2002. **Assessment:** One 2000 word essay (end of semester 30%), one 2000 word take-home exam [30% (end of semester)], class participation (10%), one class presentation (30%).

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

The unit will study various alternative histories of Australia:

1. Aboriginal historiography
2. European academic historiography
3. Popular or non-professional historiography, i.e., representations of Australian history through film and other visual modes, fiction and other forms of narrative.

Textbooks

A reader will be available for this unit of study from the Copy Centre.

Biblical Studies

BBCL 1001 Biblical Studies 1

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Course Co-ordinator: L Davey. **Session:** Semester 1. **Classes:** 3 hours per week. **Assessment:** One examination (30%); one 2000 word essay (30%); other written assignments and assessments (40%).

This course 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.

BBCL 1002 Biblical Studies 2

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Course Co-ordinator: L Davey. **Session:** Semester 2. **Classes:** 3 hours per week. **Assessment:** One examination (30%); one 2000 word essay (30%); other written assignments and assessments (40%).

This semester the focus is 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.

BBCL 2603 Prophets

6 credit points. B A, Dip Arts, UG Study Abroad Program. Course Co-ordinator: Dr Shani Berrin. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** BBCL 1001 and BBCL 1002. **Prohibitions:** BBCL 2003. **Assessment:** One examination (35%); one 2000 word essay (35%); other written assignments and assessments (30%). This unit presents an overview of prophetic works of the Hebrew Bible, examining literary, socio-political, and religio-historical aspects of the texts.

BBCL 2604 Biblical Writings

6 credit points. B A, Dip Arts, UG Study Abroad Program. Course Co-ordinator: Dr Shani Berrin. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** BBCL 1001 and BBCL 1002. **Prohibitions:** BBCL 2004. **Assessment:** One examination (35%); one 2000 word essay (35%); other written assignments and assessments (30%).

This unit examines the third and final section of the Tanakh, the 'Ketuvim', or 'Writings'. Such works as the book of Job, Psalms, and the Song of songs provide a rich field of investigation into areas of narrative, poetry, philosophy, and religious belief.

BBCL 4011 Biblical Studies Honours A

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

BBCL 4012 Biblical Studies Honours B

12 credit points. B A (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** BBCL 4011.

BBCL 4013 Biblical Studies Honours C

12 credit points. B A (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** BBCL 4012.

BBCL 4014 Biblical Studies Honours D

12 credit points. B A (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** BBCL 4013.

Chinese Studies

CHNS 1101 Chinese 1A (For Beginners)

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr D. Herforth. **Session:** Semester 1. **Classes:** 4 hours per week plus one hour of multimedia or online learning (subject to confirmation). **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. **Corequisites:** Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for CHNS 1201 or higher. **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%). *NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.*

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

(Subject to review) Ted Yao and Yuehua Liu. Integrated Chinese. Level One, Part One. Textbook, Workbook and Character Workbook. 2nd edition. Boston: Cheng and Tsui, 2005. The Multimedia Companion will also be used.

CHNS 1102 Chinese 1B (For Beginners)

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Y Wang. **Session:** Semester 2. **Classes:** Consult department. **Assumed Knowledge:** One semester of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** CHNS 1101. **Corequisites:** Students are strongly advised to take CHNS 1600, The Chinese Language, Present and Past. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher. **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%).

Continuation of Chinese 1A. On completion of this unit of study, 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

(Subject to review) Ted Yao and Yuehua Liu. *Integrated Chinese. Level One, Part Two. Textbook, Workbook and Character Workbook.* 2nd edition. Boston: Cheng and Tsui, 2005.

CHNS 1201 Chinese 1C (For Advanced Beginners)

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr E. U. **Session:** Semester 1. **Classes:** Four hours per week. **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. **Corequisites:** Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes. **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). **NB:** Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian 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.

Chou Chih-p'ing, Perry Link and Wang Xuedong. *Oh China: Elementary Reader of Modern Chinese for Advanced Beginners.* Princeton: Princeton University Press, 1997

CHNS 1202 Chinese 1D (For Advanced Beginners)

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr. Y. Wang. **Session:** Semester 2. **Classes:** Four hours per week. **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. **Prerequisites:** CHNS 1201. **Corequisites:** Students are strongly advised to take CHNS 1600, The Chinese Language, Present and Past. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes. **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.

Chou Chih-p'ing, Perry Link and Wang Xuedong. *Oh China: Elementary Reader of Modern Chinese for Advanced Beginners.* Princeton: Princeton University Press, 1997

CHNS 1600 The Chinese Language, Present and Past

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D. Herforth. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** CHNS 1101 or CHNS 1201 or equivalent. **Corequisites:** CHNS 1102, or CHNS 1202, or CHNS 2602. **Prohibitions:** HSC Chinese for Background Speakers; CHNS 2111; CHNS 2112; CHNS 2903; CHNS 2904; CHNS 1313; CHNS 1314. **Assessment:** Four 30-minute tests (40%); one 1,000-word essay (30%); oral presentation based on work for essay (10%); three or four homework assignments (20%).

The Chinese language is a complex, constantly evolving social institution with a fascinating history. Its influence has been felt throughout East Asia and much of mainland Southeast Asia. This unit of study introduces important aspects of that history to students at the early stages of learning Modern Standard Chinese. Besides acquiring insights that will aid their mastery of the modern language, students will sample the interest and beauty of the classical language, vehicle of traditional Chinese poetry and philosophy.

CHNS 1801 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

This unit exists solely as an enrolment option for students who wish to study elementary Chinese while on exchange at a university elsewhere than in China or Taiwan. Students who plan to study Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

CHNS 1802 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment. See under CHNS 1801.

CHNS 2601 Chinese 2A (Lower Intermediate)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D Bray. **Session:** Semester 1. **Classes:** 5 hours per week (subject to confirmation). **Assumed Knowledge:** One year (approx. 5 hours/wk for 26 weeks) of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** CHNS 1102. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 2101. **Assessment:** Classwork (10%); group performance, including written script (30%); three 50-minute 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 1,000 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.

CHNS 2602 Chinese 2B (Lower Intermediate)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D. Bray. **Session:** Semester 2. **Classes:** 5 hours per week (subject to confirmation). **Assumed Knowledge:** Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1,000 characters (preferably full-form). **Prerequisites:** CHNS 2601 or CHNS 2101. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 2102. **Assessment:** Classwork (10%); group performance, including written script (30%); three 50-minute tests (20% each).

Continuation of Chinese 2 A, 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 1,300 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.

CHNS 2611 Classical Chinese A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr D. Herforth. **Session:** Semester 1. **Classes:** 3 hours per week. **Assumed Knowledge:** Minimum of one year of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** HSC Chinese for Background Speakers (or equivalent) plus department permission; or CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. **Assessment:** Classwork (10%); two 30-minute tests (5% each); three 40-minute tests (20% each); cultural exploration project resulting in an essay of 1,500 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 (or modern Chinese) on a topic of their choice, thus enriching their knowledge of premodern Chinese culture.

Textbooks

Robert L. Chard and Helen Dunstan. *Foundations in Classical Chinese.* Available from the University Copy Centre.

CHNS 2612 Classical Chinese B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr D. Herforth. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** CHNS 2611 or CHNS 2111 or CHNS 2903; or CHNS 1313 plus instructor's permission. **Prohibitions:** CHNS 2112, CHNS 2904, CHNS 1314. **Assessment:** Classwork (10%); three 50-minute tests (20% each); homework exercises (10%); cultural exploration project resulting in an essay of 1,500 words (20%).

NB: Department permission required for enrolment.

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 and Helen Dunstan. *Foundations in Classical Chinese.* Available from the University Copy Centre. Supplementary reference book: Edwin G. Pulleyblank. *Outline of Classical Chinese Grammar.* Vancouver: UBC Press, 1995

CHNS 2650 Chinese In-Country Study A

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** At least a year of Modern Standard Chinese at tertiary level (or equivalent). **Prerequisites:** CHNS 1102 or CHNS 1202 (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 must present a coherent academic rationale to the department. **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.

NB: Department permission required for enrolment.

Enrolment in an approved 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 pro rata when a student has successfully completed a summer (or equivalent) in-country Chinese-language program.

CHNS 2651 Chinese In-Country Study B

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

5. Undergraduate units of study

All details as for CHNS 2650.

CHNS 2652 Chinese In-Country Study C

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
All details as for CHNS 2650.

CHNS 2653 Chinese In-Country Study D

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
All details as for CHNS 2650.

CHNS 2654 Chinese In-Country Study E

6 credit points. B A, Dip Lang Stud. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.
All details as for CHNS 2650.

CHNS 2655 Chinese In-Country Study F

6 credit points. B A, Dip Lang Stud. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.
All details as for CHNS 2650.

CHNS 2656 Chinese In-Country Study G

6 credit points. B A, Dip Lang Stud. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.
All details as for CHNS 2650.

CHNS 2657 Chinese In-Country Study H

6 credit points. B A, Dip Lang Stud. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.
All details as for CHNS 2650.

CHNS 2810 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 2, Semester 1.
NB: 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 Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

CHNS 2811 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
See under CHNS2810.

CHNS 2812 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
See under CHNS2810.

CHNS 2813 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
See under CHNS2810

CHNS 3601 Chinese 3A (Upper Intermediate)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr T. Chan. **Session:** Semester 1. **Classes:** 4 hours per week. **Assumed Knowledge:** Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Prerequisites:** CHNS 2602 or CHNS 2102. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 3103. **Assessment:** Classwork (20%); two one-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
Will include Huang Weijia and Ao Qun, Chinese Language and Culture: An Intermediate Reader. Hong Kong: Chinese University Press, 2002.

CHNS 3602 Chinese 3B (Upper Intermediate)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D. Herforth. **Session:** Semester 2. **Classes:** 4 hours per week. **Assumed Knowledge:** Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Prerequisites:** CHNS 3601 or CHNS 3103. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 3104. **Assessment:** Classwork (20%); two-one hour tests (40% in total); group presentation and interview (20%); short quizzes (10%); Chinese-language writing assignments (10%).

Continuation of Chinese 3 A (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
Will include Huang Weijia and Ao Qun, Chinese Language and Culture: An Intermediate Reader. Hong Kong: Chinese University Press, 2002.

CHNS 3603 Chinese 4A (Advanced)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. T. Chan. **Session:** Semester 1. **Classes:** 3 hours per week; 1 hour per week of multimedia or online learning may also be required. **Prerequisites:** CHNS 3601 or CHNS 3103. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 2203; CHNS 2204. **Assessment:** (Subject to revision) classwork (20%); two one-hour tests (20% each); group presentation (10%); Chinese-language writing assignments, at least one of which may be done under test conditions (30%).

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

Advanced training in modern Chinese language, with a focus on reading. By studying a range of literary and non-literary texts, graded for difficulty, students will acquire the reading skills necessary for advanced work in Chinese Studies. They will enrich their knowledge of Chinese as a vehicle for literary expression and 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.

CHNS 3604 Chinese 4B (Advanced)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. T. Chan. **Session:** Semester 2. **Classes:** 3 hours per week; one hour per week of multimedia or online learning may also be required. **Prerequisites:** CHNS 3603 or CHNS 2203. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 2204. **Assessment:** (Subject to revision) classwork (20%); two one-hour tests (20% each); group presentation (10%); Chinese-language writing assignments, at least one of which may be done under test conditions (30%).

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

Continuation of Chinese 4A (Advanced). Further training in the reading skills necessary for advanced work in Chinese Studies or professional work requiring Chinese-language literacy. Students will gain familiarity with a broader range of literary and non-literary texts reflecting the concerns of Chinese people in the modern world, while enhancing their ability to discuss complex subject matter in both spoken and written Chinese.

CHNS 3608 Chinese for Business Purposes (A)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr E. U. **Session:** Semester 1. **Classes:** Two hours per week. **Prerequisites:** CHNS 2102 or CHNS 1202 or CHNS 2602. **Corequisites:** CHNS 3601 or CHNS 3603. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 3421. **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.

CHNS 3609 Chinese for Business Purposes (B)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr E. U. **Session:** Semester 2. **Classes:** Two hours per week. **Assumed Knowledge:** Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. **Prerequisites:** CHNS 3608 or CHNS 3421. **Corequisites:** CHNS 3602 or CHNS 3604. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 3422. **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.

CHNS 3633 Lu Xun and China's Modern Literature

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Wang. **Session:** Semester 1. **Classes:** Three hours per week. **Assumed Knowledge:** Advanced or native-speaker proficiency in reading Chinese. **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 CHNS 1314; or CHNS 3604; or CHNS 2204; or department permission. **Prohibitions:** CHNS 3533. **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).

NB: 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

D.C. Lau, comp. Lu Xun xiao shuo ji: Vocabulary [Selected Short Stories]. Revised edition. Hong Kong: Chinese University Press, 1987.
Reader available from the University Copy Centre.

CHNS 3640 Chinese History Through Chinese Eyes

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D. Herforth and Prof. H. Dunstan. **Session:** Semester 1. **Classes:** One lecture and two tutorials per week. **Assumed Knowledge:** No knowledge of the Chinese language or of Chinese history is required. **Prerequisites:** 12 junior credit points of Chinese language or 12 junior non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts. (Note: students who hope to attend the Chinese-language tutorials must have successfully completed one of the following: CHNS 2112; CHNS 2904; CHNS 1314; CHNS 2612). **Prohibitions:** CHNS 3561. **Assessment:** Classwork (20%); one one-hour test (30%); one 2,000-word essay (30%); additional written assignments to a total of 1,500 words, at least part of which may be done under test conditions (20%).

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

How did the early Chinese come to develop one of the world's great historiographical traditions? In their narratives of both exemplary and counter-exemplary behavior, what sort of personal qualities were thought to influence the course of history? How was social change perceived? Was there an understanding of "impersonal" forces of history, such as economics? These and other questions will be explored as we read in the rich sources left by premodern China's own historians.

CHNS 3645 Classical Chinese Prose

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. T. Chan. **Session:** Semester 2. **Classes:** Three hours per week. **Prerequisites:** CHNS 2112 or CHNS 1314 or CHNS 2904 or CHNS 2612. **Prohibitions:** CHNS 3547; CHNS 3447. **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).

NB: 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.

CHNS 4011 Chinese Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Dr Bray, Dr Chan, Prof. Dunstan, Dr Herforth, Dr U and Dr Wang. **Session:** Semester 1, Semester 2. **Prerequisites:** The minimum requirements are as follows: (1) a major in Chinese Studies plus sufficient additional credit points selected from CHNS and ASNS 21 1x, 261x and 361x units of study to reach 48 senior credit points; and (2) a Credit average in all qualifying units of study. In addition, CHNS 3902, Approaches to Research on China or ASNS 3690, 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 CHNS 2601 (or 2101) and 2602 (or 2102). Intending Honours students are advised to take as many senior credit points as possible in Chinese language and China-related subjects.

NB: Department permission required for enrolment.

The heart of the Honours program is the research and writing, over two semesters, of a thesis of 12,000 to 16,000 words, in English, on a topic in Chinese Studies that is chosen by the student and approved by the department. Chinese-language material must be used. Supervision is available in a wide range of fields, including: contemporary Chinese politics, culture and society; both modern and classical Chinese literature; Chinese history; Chinese linguistics; and the study of gender in Chinese cultural contexts. If a substantial proportion of the thesis is to consist of translation, the written approval of the

chair of department must be obtained in advance. Normally, not more than one third of a thesis may comprise translation. The thesis counts for one third of the final Honours mark.

In addition to the Honours thesis, students undertake four coursework components. These will be selected, in consultation with the chair of department (or nominee), according to the student's level of proficiency in Chinese. Advanced language work will be available for students who have completed only the basic three-year sequence in Chinese language from beginning level. For the more advanced students, it is expected that at least four of the following options will be available in 2006:

Society and Individual in Post-Mao China (First Semester)
Expression and Repression in Premodern China (First semester)
Change and Innovation in Tang Poetry (First Semester)
Approaches to Research on Modern China (Second Semester)
The City in Chinese Film and Fiction (Second Semester)
Society and State in China, 1368-1911 (Second Semester)
The department will assist individual students to work out an Honours program that is relevant to their needs and interests, within the limits of available resources. It is also positively interested in arranging joint Honours programs for suitably qualified students in accordance with Faculty resolutions.

CHNS 4012 Chinese Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** See under CHNS 4011.

NB: Department permission required for enrolment.

See under CHNS 4011.

CHNS 4013 Chinese Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** See under CHNS 4011.

NB: Department permission required for enrolment.

See under CHNS 4011.

CHNS 4014 Chinese Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** See under CHNS 4011.

NB: Department permission required for enrolment.

See under CHNS 4011.

Classical Studies**CLCV 1001 Classical Mythology**

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr MacAlister. **Session:** Semester 1. **Classes:** 2 lec/wk & 1 tut/wk. **Assessment:** one class test, one 1000w written assignment, one Homeric Hymn, attendance and participation.

This is the junior level Classical Civilisation core unit of study. In the context of a survey of the development of myth in Greece and Rome, the unit of study examines the individual myths paying attention to their diffusion in space and time. The unit of study is not simply descriptive but looks at the relationship between myth and the culture that produced it; for example, it explores the nature of myth, its relationship with ritual and folktale, the ways in which Greek and Roman literature made use of myth. Some attention is paid to modern theory of myth as well as key modern interpretations of particular myths.

Textbooks

(recommended for purchase)

G.S. Kirk The Nature of Greek Myths (Penguin)

H.J. Rose A Handbook of Greek Mythology (Methuen)

Course booklet (available from the University Copy Centre)

CLCV 1801 Classical Civilisation Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

CLCV 1802 Classical Civilisation Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

CLSS 1002 Greece and Rome in Performance

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor Wilson, Ms F Muecke, Dr L Watson. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assessment:** one 2500w essay; 2 hr formal exam.

This unit of study explores the 'performance culture' of Classical Greece and Imperial Rome. It studies a wide range of performances - including Greek and Roman tragedy, comedy, mime, gladiatorial exhibitions and staged executions in the arena. And it adopts a wide range of approaches to analyse these performances in the terms of the original contexts of their production. It also explores the ways in which they are related to other kinds of cultural performance and self-fashioning, - religious, political and personal.

5. Undergraduate units of study

CLSS 2601 **Image and Myth**

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours lectures and one hour tutorial per week. **Prerequisites:** CLCV1001 or ARCL1001. **Prohibitions:** CLCV1003. **Assessment:** Research project of 1500 words, 1500 word essay and one hour visual test.

Image and Myth provides a study of Greco-Roman/Greek myth in its social context through textual and visual sources towards an understanding of the cultural significance of the textual and visual inscriptions as they change over time and place. Text and image, as the two main sources of myth, provide multiple and complementary perspectives on antiquity's most important form of narrative communication.

CLSS 2603 **Greek and Roman Literature - Epic**

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr MacAlister, Ms Muecke, Drs LandP Watson. **Session:** Semester 1. **Classes:** Two hours per week. **Prerequisites:** 18 Junior credit points. **Prohibitions:** GRLT2301. **Assessment:** One project (1,500 words), essay (2,000 words) and take-home exam.

Ancient epic has shaped the European literary imagination up to our own day. What is the power that makes these narratives so compelling still? They are masterpieces of story-telling, dealing with issues of universal concern such as life and death, love, war and the journey of experience. The great Roman epic, Virgil's Aeneid, pulls together all these themes, as a re-telling of earlier epics for the conquerors of the Mediterranean world. For its part, Greek epic begins in the context of oral story-telling, before the invention of writing, with roots that certainly go back to the Bronze Age; it functions both as entertainment and as an exploration and validation of social values. This unit of study provides an opportunity to explore ancient epic in depth, while raising questions about epic as a narrative form.

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.)

CLSS 2804 **Classical Civilisation Exchange**

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLSS 2805 **Classical Civilisation Exchange**

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLSS 4011 **Classics Honours A**

12 credit points. B A (Hons). TBA. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit results in GRKA 3904 and LATN 3904. **Assessment:** All of the major components of the Honours year will be assessed.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

CLSS 4012 **Classics Honours B**

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** CLSS4011.

RefertoCLSS4011

CLSS 4013 **Classics Honours C**

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** CLSS4012.

RefertoCLSS4011

CLSS 4014 **Classics Honours D**

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** CLSS4013.

RefertoCLSS4011

Comparative Literary Studies (see International Comparative Literary Studies)

English

ENGL 1000 University English

6 credit points. B A, B E, B S T, UG Study Abroad Program, UG Summer/Winter School. Dr. Thomas. **Session:** Semester 1, Summer, Semester 2, Winter. **Classes:** One 1-hr lecture and one 2-hr workshop per week. **Prerequisites:** This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native fluency in English. ENGL 1000 cannot be counted towards the junior credit points required to enrol in senior units of English. **Assessment:** One 750-word essay One 1500-word essay One 1000-word critical reading task One oral presentation A weekly journal.

University English is a practical unit designed to improve student writing at all undergraduate levels in a variety of formats across a

range of disciplines. It is taught by means of lecture and workshops organized around exercises in rhetoric, style and grammar. Many writing and editing assignments are drawn from actual university documents, including examples of 'real' student writing.

Textbooks

The Elements of Style (Strunk and White), Fourth Edition and The Essentials of Academic Writing (Soles), First Edition

ENGL 1002 Narratives of Romance and Adventure

6 credit points. B A, B Ec (Soc Sc), B Sc, B Com, UG Study Abroad Program. Dr Semler. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Assessment:** One essay, end of semester exam.

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
Sir Orfeo; Malory, Morte d'Arthur, extracts
Marlowe, Hero and Leander; Narrative theory readings

ENGL 1005 Language and Image

6 credit points. B A, B A (Media & Comm), B Int S, Dip Arts, UG Study Abroad Program. Mr. Ronalds. **Session:** Semester 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prohibitions:** ENGL 1050. **Assessment:** Two 500wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

This unit of study will introduce students to the construction of meaning in written and visual texts, using Graham Greene's novel The Quiet American and the film of the novel as focal points. A range of other fiction, academic and media texts will be used to explore social processes of textual construction and interpretation. In the workshops, students will learn detailed analytic techniques, including close grammatical analysis, as tools for the interpretation of text and image. The lectures will introduce more descriptive topics, such as historical shifts in relations between language and image, narrative organisation, categories of text, and social agency and power in the production of text.

Textbooks

Greene, G. The Quiet American
Functional Grammar: An Explorer's Guide.
A Resource Book will be available from the University Copy Centre

Butt, D., et al, Using

ENGL 1015 Inventing Modernity

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program. Dr M. Hardie. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial. **Assessment:** 1000 wd assignment, 1500 wd essay, oral presentation, tutorial performance and one 15 hr examination.

What does it mean to be modern? In this subject we will explore written, visual and audio-visual texts to explore how the modern world was created and imagined. The unit concentrates on films and writing from the period 1850-1930, and pays particular attention to: interplay between the cinematic, visual and the written text as forms of representation, the development of mass reproduction and literacy, experimentalism, manifestoes, movements and communities, the constitution of gendered and racialised identities.

Textbooks

Ferguson et al. The Norton Anthology of Poetry (Fifth Edition)
Fritz Lang M (recommended)
Scorsese Age of Innocence
Stoker Dracula
Wharton Age of Innocence
Woolf To The Lighthouse
Unit of Study Reader

ENGL 1025 Fiction, Film and Power

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program. Dr. van Toorn. **Session:** Semester 1. **Classes:** One 1hr lecture and one 2hr workshop. **Assessment:** Two 1500 wd essays, one oral presentation, one 1hr examination.

Why is the pen (or camera) said to be mightier than the sword? This unit explores stories and films that depict, reflect, and shape human relationships of dominance and subordination. The lectures introduce pertinent literary and filmic texts, and examine some influential theories explaining how power is exercised upon and through texts. In small-group seminars you will develop transferable skills in reading, analysis, oral communication and problem solving in teams. You will also test various theories of power and methods of analysis by applying them to relevant texts you identify in the media and popular culture.

Textbooks

Modjeska, The Orchard

Orwell, Nineteen Eighty-Four
 Roy, The God of Small Things
 Films: Uncivilized, The Tracker, Nice Coloured Girls, [all viewed in class]
 ENGL 1025 Resource Book: buy from the University Copy Centre.

ENGL 1801 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: 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.

ENGL 1802 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: 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.

ENGL 2600 Anglo-Saxon Norse and Celtic Studies

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor Clunies Ross.
Session: Semester 1. **Classes:** Two 1hr lectures and one 1 hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One 2500wd essay, tutorial performance (=1500 wd) and one 2hr examination.

This unit of study gives students the opportunity to study three closely related cultures of North-West Europe from the Early Middle Ages. These are: the cultures of the Anglo-Saxons, who migrated to England from Northern Europe; the Norse (or Scandinavians), who had a major impact on the rest of Europe in the Viking Age; and the Celtic peoples of Continental Europe and the British Isles (the Irish and the Welsh will be our focus here).

Two lecture hours per week will discuss the history of the Anglo-Saxons, the Celts and the Norse; their writing systems, the extent of the written corpus of all three cultures; society and the law; and the character of Anglo-Saxon, Norse and Celtic literatures studies in translation. The third hour will be a tutorial. Each student will choose to study one of the following three languages at elementary level: Old English (Anglo-Saxon); Old Norse (Old Icelandic) and Old Irish. Students' understanding of the language strand will be examined at the end of semester. The teaching of Celtic language will depend on the availability of staff. For information, check with the unit of study coordinator.

Students not otherwise qualified to enrol in Special Entry units, but who wish to continue their study of the language they have chosen in this unit of study, and have obtained a Credit or better in Anglo-Saxon, Norse and Celtic Studies, may apply to the Professor of English Language and Early English Literature for permission to continue the study of their chosen language in either ENGL3621 (Studies in Medieval Languages A, Semester 1) or ENGL3631 (Further Studies in Medieval Languages A, Semester 2).

Textbooks

Michael Barnes, A New Introduction to Old Norse Pt 1 Grammar (University College London, 1999)
 Jesse Byock, Viking Age Iceland (Penguin, 2001)
 Nora Chadwick, The Celts (Penguin, 1970)
 John Strachan, Old Irish Paradigms and Selections from the Old Irish Glosses (Royal Irish Academy, Dublin)
 A.I. Jones, Reading Old English: An Introduction (available from department)
 Egils Saga (Penguin Classics)
 Eybyggja Saga (Penguin Classics)

ENGL 2603 American Literature: Imagining America

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Murphet. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2003. **Assessment:** One 2500 word essay, one 2 hr examination and one in-class presentation or equivalent.

This course takes as its point of departure the notion of America as fashioned by diverse and even conflicting acts of imagination. Beginning in the mid-19th century and working our way to the mid-20th and beyond, we will examine the various ways in which major writers both constructed and challenged the 'imagined community' of their nation. Key themes include: race, gender, war, individualism and innocence.

Textbooks

Poe poems and stories*
 Douglass The Life of Frederick Douglass*
 Whitman 'When lilacs last in the dooryard bloomed'*
 Dickinson selected poetry *
 Melville Bartleby, Billy Budd*
 Twain Huckleberry Finn
 Faulkner Absalom, Absalom

Scorsese Gangs of New York (film)
 Norton Anthology of American Literature vol B (*) set text

ENGL 2611 Jane Austen and Her Contemporaries

6 credit points. B A, Dip Arts, UG Study Abroad Program. Associate Professor Coleman. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2011. **Assessment:** Oral presentation (=1000 words: use popular 'debate' format); essay arising (1500 words); 2 hr final examination (2000 words).

This unit studies the formative influences on Austen as a novelist by tracking some of her reading in 18th-century poetry, novels, prescriptive literature, and drama. We look at her development as a writer, paying particular attention to the historical moment of her emergence into print. Topics to be covered include: the history of the novel; women writers, Austen's relationship to the fashionable genres of gothic and sentimental fiction; late 18th-century debates about slavery; class, gender, and generational conflict.

Textbooks

Fanny Burney, Evelina (Norton Critical Edition)
 Jane Austen, Mansfield Park (Norton Critical Edition) Jane Austen, Sense and Sensibility (Norton Critical Edition)
 Jane Austen, Persuasion. (Norton Critical Edition) Resource Book containing poetry [Cowper, Romantics], conduct literature, landscape theory, Johnson (prose): available from the University Copy Centre

ENGL 2617 Postmodernism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Murphet. **Session:** Semester 2. **Classes:** Two 1hr lectures and One 1hr tutorial/week. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2017. **Assessment:** In-class presentation, participation and attendance: 20%; one 2000wd essay, 40%; one 2hr examination, 40%.

In this unit, postmodernism will be considered as the cultural 'logic' of the period 1960-1990: a force-field of literary, visual, and communicational vectors, coordinated by social and economic axes. The texts studied (novels, poems and films) are drawn mainly from this American cultural 'vortex', and major theoretical discussions of postmodernism will also be considered. Other topics include: the 'death of affect'; the dissolution of distinctions between high and popular culture; media; simulation; meta-textuality, pastiche; paranoia; and bricolage.

Textbooks

Robert Altman, Short Cuts (film)
 Laurie Anderson, Home of the Brave (video/performance/music)
 Don DeLillo, White Noise
 Joan Didion, Play It as It Lays
 Thomas Pynchon, The Crying of Lot 49
 Course Reader (incl. theoretical and critical texts, short prose works and New York Poetry)

ENGL 2619 Theories of Semiotics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr N. Riemer. **Session:** Semester 1. **Classes:** One 1 hour lecture and one 2 hour workshop. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2019, SMTC 2001, SMTC 2002.. **Assessment:** Two 3000 word essays, and workshop participation. How have the relations between the world, language and subjectivity been conceived in semiotic theories? In what ways have thinkers like Saussure, Peirce and Bakhtin analysed the meaningfulness of semiotic systems like language? In this unit we will examine different theories of the sign and the nature of semiotic processes through a consideration of some fundamental themes in semiotic research: the nature of meaningfulness; language as system, communication and action; and signification and the problem of representation.

Textbooks

A Resource book will be available from the University Copy Centre.

ENGL 2623 Twentieth Century Literature: Modernism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Spurr. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **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, 5th edn for poetry of W.B. Yeats, Ezra Pound and T.S. Eliot
 James Joyce, A Portrait of the Artist as a Young Man
 William Faulkner, The Sound and the Fury
 Djuna Barnes, Nightwood
 Virginia Woolf, Mrs Dalloway

ENGL 2626 English Drama: Restoration to Modern

6 credit points. B A, UG Study Abroad Program. Dr Rogerson. **Session:** Semester 2. **Classes:** Two 1 hour lectures, one 1 hour tutorial per week. **Prerequisites:** 12 Junior

5. Undergraduate units of study

credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2026. **Assessment:** Tutorial paper (10%), 2000 word essay (50%), 1hr 30 min examination (40%).

Focusing on plays performed in England since the re-opening of the theatres under Charles II, this unit considers the form and function of drama from 1660 to the 1960s. Major themes include the relation of each play to its contemporary society; genre; the staging of gender, power and ethics; the influence of foreign drama on the native tradition. The unit takes us up to the period of the abolition of English stage censorship in 1968.

Textbooks

Wycherley, *The Country Wife*
Goldsmith, *She Stoops to Conquer*
Pinero, *The Second Mrs Tanqueray*
Shaw, *Major Barbara*
Eliot, *Murder in the Cathedral*
Beckett, *Endgame*
Osborne, *Look Back in Anger*
Williams, *Sweet Bird of Youth*
Orton, *What the Butler Saw*

ENGL 2627 Reading Sexuality

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Lilley. **Session:** Semester 2. **Classes:** 2 x 1 hr lectures + 1 x 1 hr tutorial/week. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2027. **Assessment:** 1 in-class seminar presentation (15 minutes) handed in as 1500 word essay and final 3000 word essay.

This unit explores the relationship between sexuality, cultural production and interpretation from the fin de siècle to the present through detailed, historicised readings of a broad range of theoretical, narrative and film texts.

Textbooks

Freud, *Dora: An Analysis of a Case of Hysteria*
Barnes, *Nightwood* (Faber)
Nabokov, *The Annotated Lolita* (Penguin)
Lolita (d. Kubrick)
All That Heaven Allows (d. Sirk)
Far From Heaven (d. Haynes)
Boogie Nights (d. Anderson)
Best In Show (d. Guest)
Boys Don't Cry (d. Peirce)

A Course Reader will supplement the set texts.

ENGL 2632 British Romantic Literature, 1780-1830

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Christie. **Session:** Semester 1. **Classes:** Two 1hr lectures and one 1hr tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2032. **Assessment:** Tutorial participation and oral presentation, 2hr exam, 2000wd essay.

This unit introduces the literature of the Romantic period in Britain in relation both to the political revolutions in America and France and to the intellectual, social, and cultural revolutions taking place inside Britain itself. Along with the traditional canon of Romantic poets -- Blake, Wordsworth, Coleridge, Byron, Shelley, Keats ~ we will look at the new genres of Gothic and historical fiction and at a selection of women poets, as well as at some polemical writers and periodical essayists.

Textbooks

Romanticism: An Anthology, with CD Rom, ed. Duncan Wu and Miall (Blackwell)
Radcliffe, *Romance of the Forest* (World's Classics)
Scott, *Waverley* (World's Classics)

ENGL 2646 Romantic Fictions

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Speed. **Session:** Semester 1, Summer. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisites:** 12 junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2046. **Assessment:** One 2500 word essay [50%], one 1 hour examination [30%], tutorial presentation/participation (20%).

Though familiar and apparently transparent, the literary treatment of themes of love, courtship and marriage, which provide the focus of this unit, is by no means consistent and universal over time. Instead, writers of different periods theorise love and its rituals in a variety of ways. Beginning with 'courtly love' and its subversions, the unit studies the construction of 'romance' in genres such as lyric, fable, drama and novel, and introduces modes of representation including allegory, mimesis and bourgeois realism.

Textbooks

Shakespeare, *Romeo and Juliet* (Oxford Shakespeare, OUP)
Anne Bronte, *The Tenant of Wildfell Hall*
Kate Grenville, *The Idea of Perfection*
'Romantic Fictions' reader available from University Copy Centre.

ENGL 2647 Texts, Grammar and Meaning

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr N Riemer. **Session:** Semester 2. **Classes:** One 1 hour lecture and one two hour workshop. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL 2010, ENGL2047, ENGL 1005LNGS 1005, LNGS 2002, LNGS 2003. **Assessment:** Two 750 wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

This unit introduces students to the interpretation of literary and related texts using grammatical analysis. We'll examine competing models of grammatical description, and begin our discussion of text

and meaning by critiquing the concepts of genre and register, focusing on their value to our understanding of the relationship between texts and the semiotics of contexts. We will then move on to concentrate on the role of grammar in the analysis of literary discourse, using selected aspects of Halliday's functional grammar, and other relevant grammatical concepts, as our principal resource.

Textbooks

Collins Cobuilt English Grammar (Glasgow, Harper and Collins, 1990).
A Resource book will be available from the University Copy Centre.

ENGL 2650 Reading Poetry

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Spurr. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Prohibitions:** ENGL2050. **Assessment:** One 2500 word essay; one 2 hour examination.

A wide range of poetry will be read in the course of three modules, which will concentrate on an historical period (the Renaissance, especially John Donne and John Milton), an individual poet (Edmund Spenser) and a close study of a poetic form (late Medieval verse narratives). Readings of individual poems will involve both intensive study of technical and linguistic characteristics, as well as of the broader historical, social, ideological and personal contexts and issues which they reflect. As well, there will be discussion of on-going literary-critical debate about poetry and its function.

Textbooks

The Norton Anthology of Poetry, 5th edn
A Resource Book, obtainable at the University Copy Centre, for other materials.

ENGL 2811 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: 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.

ENGL 2812 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: 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.

ENGL 2813 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 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.

ENGL 2814 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 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.

ENGL 2815 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 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.

ENGL 2816 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 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.

ENGL 2817 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 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.

ENGL 2818 English Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of a 4 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.

ENGL 3601 Modern and Contemporary English Studies

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Byron. **Session:** Semester 1. **Classes:** One 2-hour seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Assessment:** One 5000 word essay; one seminar presentation (1000 word).

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

An advanced unit devoted to literary, linguistic, critical, and cultural studies of English from 1890 to the present. This year, the unit considers representative texts from Samuel Beckett's remarkably varied oeuvre: novels, drama, short prose, poetry and critical essays. Consideration will be given to the ways in which Beckett's texts manifest or deny an "aesthetic"; their interactions with music and the visual arts; their treatment of literary, philosophical and scientific traditions; and the variety of interpretative and theoretical dispensations with (and against) which Beckett's work has been read.

ENGL 3611 English Language and Literary Theory A

6 credit points. B A, Dip Arts. Dr Thomas. **Session:** Semester 1. **Classes:** One 2 hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3915. **Assessment:** One 500-word critique; One oral presentation; One 4000-word essay; (Honours candidates must submit a 5000-word essay).

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

This unit will examine the history and ever-increasing role of technology in oral and written discourse. It explores how computer-assisted reading, writing, and research have impacted upon language and literary studies. It will focus particularly on the relationship of Hypertext Theory to Postmodernism and will offer students a broader theoretical scope for writing and analysing texts in English.

Textbooks

Silicon Literacies (Snyder)

ENGL 3612 English Language and Literary Theory B

6 credit points. B A, Dip Arts. Dr Riemer. **Session:** Semester 2. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3925. **Assessment:** Written work totalling 6000 words.

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

This unit is devoted to linguistic, literary, critical and cultural studies of English that either range across several of the eras addressed in the other advanced units or whose rationale is other than chronological or historical. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2006 the topic will be "Metaphor".

ENGL 3621 Studies in Medieval Languages A

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor M Clunies Ross. **Session:** Semester 1. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3911. **Assessment:** One 3000 word essay; One 1.5hr exam.

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

In this unit of study, students will be able to further their elementary knowledge in one of the medieval languages the Department teaches at an advanced level. Languages expected to be offered are: Old English, Old Norse-Icelandic, Old Irish and Middle Welsh (depending on staff availability). Knowledge of the grammar of the chosen language and the study of the texts in the original language will form the core of the unit.

ENGL 3622 Studies in Medieval Languages B

6 credit points. B A, Dip Arts, UG Study Abroad Program. Mr Ronalds. **Session:** Semester 1. **Classes:** Two hours/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3921. **Assessment:** One 3000 word essay; One 1.5hr exam.

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

In this unit of study, students will be able to further their elementary knowledge of one of the medieval languages the Department teaches at an advanced level. Languages expected to be offered are: Old English, Old Norse-Icelandic, Old Irish and Middle Welsh.

Knowledge of the grammar of the chosen language and the study of the texts in the original language will form the core of the unit.

ENGL 3631 Further Studies in Medieval Languages A

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof. Clunies Ross. **Session:** Semester 2. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3916. **Assessment:** One 3000 word essay; One 1.5hr exam.

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

In this unit of study, students will have the opportunity to read texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Middle English) not previously studied. The actual languages taught in 2006 will depend on student demand and staff availability.

ENGL 3632 Further Studies in Medieval Languages B

6 credit points. B A, Dip Arts, UG Study Abroad Program. Mr Ronalds. **Session:** Semester 2. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3926. **Assessment:** One 3000 word essay; One 1.5hr exam.

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

In this unit of study, students will have the opportunity to read further texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Old Irish, Middle Welsh, Middle English) previously studied. The actual languages taught in 2006 will depend on student demand and staff availability.

ENGL 3642 Studies in Medieval Literatures

6 credit points. B A, Dip Arts. Dr Speed. **Session:** Semester 2. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3912. **Assessment:** Written work totalling 6000 words.

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

This unit is devoted to linguistic, literary, critical and cultural studies of Medieval English and other literatures from 1066 to 1550. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2006 the topic will be "The Literature of Troy".

ENGL 3651 Studies in Early Modern English A

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Semler. **Session:** Semester 1. **Classes:** One 2 hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3922; ENGL3913. **Assessment:** Written work totalling 6000 words.

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

This unit is devoted to linguistic, literary, critical and cultural studies of Early Modern English from about 1500 to 1800. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2006 the topic will be "Virtual Renaissance".

ENGL 3652 Studies in Early Modern English B

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Lilley. **Session:** Semester 2. **Classes:** One 2 hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3923. **Assessment:** Written work totalling 6000 words.

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

This unit is devoted to linguistic, literary, critical and cultural studies of Early Modern English from about 1500 to 1800. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2006 the topic will be "Early Modern Identities".

ENGL 3661 The Long Nineteenth Century A

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Kelly. **Session:** Semester 1. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3924. **Assessment:** Written work totalling 6000 words.

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

This unit is devoted to linguistic, literary, critical and cultural studies of English in the long nineteenth century, from 1770 to 1914. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2006 the topic will be "American Romance".

ENGL 3662 The Long Nineteenth Century B

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Christie. **Session:** Semester 2. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 Senior credit points of English. **Prohibitions:** ENGL3923. **Assessment:** Written work totalling 6000 words.

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

5. Undergraduate units of study

This unit is devoted to linguistic, literary, critical and cultural studies of English in the long nineteenth century, from 1770 to 1914. The particular topic will be closely related to the research and scholarly interest of the teacher offering the unit. In 2006 the topic will be "Samuel Taylor Coleridge". Samuel Taylor Coleridge's life as a poet, journalist, lecturer, critic, and cultural commentator reflected and influenced radical changes in the literary life of Britain during what we now refer to as the Romantic period. He came to be thought of as the supreme example of the Romantic poet and the supreme interpreter of Romanticism. This unit uses Coleridge's *Biographia Literaria* to survey his remarkable career alongside changes in British literary culture during the eighteenth and early nineteenth centuries.

Textbooks

Biographia Literaria, ed. Nigel Leask (Everyman)
Coleridge's Notebooks: A Selection, ed. Seamus Perry (OUP)
Coleridge's Poetry and Prose, ed. Halmi, Magnuson, Modiano (Norton)

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 (*)

ENGL 3961 English: The Language and the Canon

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Prof Coleman. **Session:** Semester 1. **Classes:** One 2hr seminar/week. **Prerequisites:** Credit or above in 16 senior credit points of English. **Corequisites:** ENGL3962. **Assessment:** Assignments totalling 3000 words on the history of the language, and an essay of 3000 words on some aspect of the literary canon.

NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

How has English developed from several local dialects in fifth-century Britain to a global language? How have speakers and writers compelled and exploited its development? How distinct are Old, Middle, and Modern English?

Why do we regard certain texts as literary, and some among them canonical? How do we describe and value them in terms of their historical derivation, their verbal constitution, and our own circumstances? How different were and are the canons of Old, Middle, and Modern English literature?

Textbooks

Those shared with ENGL3692:
Norton Anthology of Poetry, ed. Ferguson & al.
Norton Anthology of Theory & Criticism, ed. Leitch & al.
Others:
Knowles, *Cultural History of the English Language*
Shakespeare, *King Lear*
Resource book

ENGL 3962 English: The Text and the Critic

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Prof Deirdre Coleman. **Session:** Semester 2. **Classes:** One 2-hour seminar per week. **Prerequisites:** Credit or above in 16 senior credit points of English. **Corequisites:** ENGL3961. **Assessment:** Assignments totalling 3000 words on bibliographical and editorial practice and theory, and an essay of 3000 words on some aspect of literary theory and criticism.

NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

How do the material forms of a text affect it and what we can do with it? How do they influence our bibliographical, editorial, interpretive, and critical work on it?

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

Those shared with co-requisite ENGL3961:
Norton Anthology of Poetry, ed. Ferguson & al.
Norton Anthology of Theory & Criticism, ed. Leitch & al.
Others:
Williams & Abbott, *Introduction to Bibliographical and Textual Studies*
Resource-book

ENGL 4101 English Honours A

12 credit points. B A (Hons), Dip Arts(Hons). Assoc Prof Deirdre Coleman. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 48 Senior English credit points, including ENGL2901, ENGL2902, ENGL3910, ENGL3920 and two Advanced units. Candidates who were eligible for Honours candidacy according to the Department's guidelines as they were until 2003 should consult the Honours coordinator. From 2006, the prerequisite will be a credit average in 48 senior English points, including ENGL3691, ENGL3692, and two Advanced Units from among ENGL3611 to ENGL3662. **Assessment:** One 15,000 word thesis, worth three eighths of the total mark; and the equivalent of 5,000 words in each of five coursework options, together worth the other five eighths of the total mark.

NB: Department permission required for enrolment.

As an English Honours candidate you write a thesis of 15,000 words, or undertake an editorial or bibliographical project of comparable scope and sophistication, under the supervision of a member of the Department who has some expertise in the field you choose to work

in. You will be offered a series of workshops and colloquia on scholarly research and writing. Your thesis will be due at the end of the October recess.

You choose five semester-long coursework options, three in the first semester, two in the second. For one of your first-semester options -- whichever one you choose -- you present your work in the form of a twenty-minute paper you give at a Departmental Honours Conference.

Among the five options you choose you may include one or two not listed among the English Honours options. As a matter of course, you can choose one or both of them from among the Australian Literature Honours options. But you will need the Honours Coordinator's permission to choose one or both of them from among the Department's Advanced units, as each of them will have to be modified appropriately for you.

If your interests and achievements are sufficiently multi-disciplinary, you may undertake a Joint Honours program, half of it under the auspices of the English Department, half under those of another. If you do, your plans will have to be approved in advance by the Honours Coordinators of both Departments.

In 2006 (subject to staff availability and enrolment numbers), options will be available in the following fields:

1. Medieval Languages, in both semesters
2. Medieval Literatures, in first semester only
3. Early Modern English, in both semesters
4. The long 19th century, in both semesters
5. Modern and Contemporary English

[No Honours options will be offered in the field of Language and Literary Theory in 2006, though candidates may choose to take the Advanced units in this field instead.]

Semester 1

1. Medieval Languages 1: Old English, Old Norse

Professor Clunies Ross

Students are required to have completed at least two semesters' work in the relevant language.

In this option advanced students of Old English and Old Norse-Icelandic will have the opportunity to read major texts in their target language. Old Irish and Middle Welsh will be available in this option's Semester 2 counterpart (subject to staff availability).

For Old English, this will be the epic poem *Beowulf*, for Old Norse a substantial saga and/or mythological or heroic poetry. There will also be opportunities to study the literary, social and cultural background to these texts.

2. Medieval Literature: Special Study of Sir Gawain and the Green Knight

Dr Speed

A close study of this late 14th century alliterative poem, one of the most entertaining and thought provoking of Arthurian romances, combining the sophistication of late courtly literature with probing questions about the political and cultural ethos from which it springs. Texts: Davis, Tolkien, and Gordon (eds) *Sir Gawain and the Green Knight* (OUP) or

Cawley and Anderson (eds) *Pearl, Cleanthess, Patience, Sir Gawain and the Green Knight* (Everyman)

3. Early Modern English A: Special Study of Milton

Dr Spurr

A consideration of the life and writing of John Milton in the context of the Renaissance in England and of the 17th century social, political, theological and literary pre-occupations.

Texts: John Milton (Oxford Authors)

4. The long 19th century 1: Romanticism and the Natural World

Assoc Prof Coleman

5. Modern and Contemporary English: The Modern Epic

Dr Murphett

Beginning with a brief but necessary survey of the epic mode in its classical and neoclassical stages (Homer, Virgil, Spenser and Milton), this option will then focus on four paradigmatic cases of what Franco Moretti has called "modern epic" in English: Melville's *Moby-Dick*, Joyce's *Ulysses*, Pound's *The Cantos*, and Pynchon's *Gravity's Rainbow*. The aim will be to explore how these imposing, gargantuan texts, through their prodigious encyclopaedism and transnational geographical imaginations, seek to refurbish and/or overturn earlier epic models of totality, heroism and grandeur.

Texts:

Herman Melville, *Moby-Dick*

James Joyce, *Ulysses*

Ezra Pound, *The Cantos*

Thomas Pynchon, *Gravity's Rainbow*
Course Reader (selections from classical and neoclassical epics, criticism and theory)

Semester 2

1. *Medieval Languages 2: Old English, Old Norse*
A/Prof Barnes, Mr Ronalds

Further work in texts specified in Advanced Anglo-Saxon, and Old Norse-Icelandic (Semester 1). Texts for Old Irish and Middle Welsh will be major medieval prose and verse genres (subject to staff availability).

2. *Early Modern English: Restoration Drama*
Prof Gay

3. *The long 19th century 2: Novels of the 1860's*
Prof Harris

Texts:

Wilkie Collins, *The Woman in White*

Elizabeth Gaskell, *Sylvia's Lovers*

Charles Dickens, *Our Mutual Friend*

George Eliot, *Felix Holt the Radical*

4. *Modern and Contemporary English 2: American Gothic*

This course looks at the persistence of gothic in American literary and cinematic practice. The "unreality" of gothic conventions and their origins in European predecessors will be briefly signaled before the domestic and paranoid colonial fantasies of Wieland serve to introduce a number of concerns:

i. repression and its return ~ repressing and re-animating peoples, indigenes, cultures.

ii. social unrealism ~ discursive constructions of gothic "identity" in popular culture and the exploration of cultural vs. individual pathology.

iii. live burial and other forms of incarceration: regional imprisonment, lock-up as writer's block, family romance as destiny, paranoia and familiarity.

iv. mutations of audience, genre, marketplace: gothic as popular reading, gothic as vestigial high culture.

v. "signs taken for wonders": symptomatic, psychoanalytic, and epidemiological readings of gothic in US political-social-neo-colonial cultures.

ENGL 4102 English Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: ENGL14101.

See ENGL4101

ENGL 4103 English Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: ENGL4102.

See ENGL4101

ENGL 4104 English Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: ENGL4103.

See ENGL4101

European Studies

EUST 2805 European Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EUST 2806 European Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EUST 2807 European Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EUST 4011 European Studies Honours A

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Permission of Centre for European Studies. **Assessment:** All of the major components of the Honours year will be assessed.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

EUST 4012 European Studies Honours B

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** EUST4011.

EUST 4013 European Studies Honours C

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** EUST4012.

EUST 4014 European Studies Honours D

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** EUST4013.

Film Studies

FILM 4101 Film Studies Honours A

12 credit points. B A (Hons), B A (Media & Comm)(Hons), B A Informatics(Hons), B Soc Sci (Hons). Dr Laleen Jayamanne. **Session:** Semester 1, Semester 2. **Classes:** two-hour screenings and two-hour seminars. **Prerequisites:** Film Studies Honours IV candidates have obtained results of credit or above in at least 48 senior credit points, within the Film Studies Major. One of these units must include the compulsory core unit for the Film Studies Major, which is ARHT 2052/ARHT 2652 From Silent to Sound Cinema (in 2005 only the core unit was ARHT 2056 National and Transnational Cinema). **Assessment:** Film Studies Honours IV has 3 components: 2 semester-length seminars and a dissertation (50% of the year mark). The seminars must be designated Film Studies units from the approved pool. Students are required to submit written work totalling 8000-9000 words for each option.

NB: Department permission required for enrolment.

FILM 4102 Film Studies Honours B

12 credit points. B A (Hons), B A (Media & Comm)(Hons), B A Informatics(Hons), B Soc Sci (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** FILM4101. Please refer to FILM 4101

FILM 4103 Film Studies Honours C

12 credit points. B A (Hons), B A (Media & Comm)(Hons), B A Informatics(Hons), B Soc Sci (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** FILM4102. Please refer to FILM 4101

FILM 4103 Film Studies Honours C

12 credit points. B A (Hons), B A (Media & Comm)(Hons), B A Informatics(Hons), B Soc Sci (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** FILM4102. Please refer to FILM 4101

FILM 4014

*** No info available for 2006. ***

French Studies

FRNC 1611 Junior French 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School, Dr Caffarel. **Session:** Semester 1, Summer, Winter. **Classes:** 4 hours per week. **Prerequisites:** Complete beginners; or less than 2 years of French; or less than 65% in Beginners HSC French. **Prohibitions:** FRNC 1101. **Assessment:** Continuous assessments: participation and weekly exercises online and in exercise book 20% (900 words equivalent), 2 grammar tests 30% (1350 words equivalent), exams: oral test 30% (1350 words equivalent) and written test 20% (900 words equivalent) (total assessment 4500 words equivalent).

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. FRNC 1612 is the standard progression.

Textbooks

Lavenne, Bérard, Breton, Canier, Tagliante (2001). STUDIO 100 Méthode de français. Niveau 1. Didier.

Lavenne, Bérard, Breton, Canier, Tagliante (2001). STUDIO 100. Cahier d'exercices. Niveau 1 Didier.

Course booklet to be purchased from the Copy Centre

FRNC 1612 Junior French 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Caffarel. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** FRNC 1611 or FRNC1101 or equivalent. **Prohibitions:** FRNC 1102. **Assessment:** Continuous assessment: participation, online exercises and discussions, written exercises and written expression 50% (2250 words equivalent), exams: oral 20%, written 30% (2250 words equivalent).

FRNC 1612 Junior French 2 is the continuation of FRNC 1611 Junior French 1. It aims at strengthening students' oral communication skills and at developing further their written skills (reading and writing). Having completed FRNC 1612 Junior French 2, students in their second year will normally enter FRNC 2611 Senior French 1.

Textbooks

Lavenne, Bérard, Breton, Canier, Tagliante (2001). STUDIO 100 Méthode de français. Niveau 1. Didier.

5. Undergraduate units of study

Lavenne, Bérard, Breton, Canier, Tagliante (2001). *STUDIO 100. Cahier d'exercices. Niveau 1* Didier.
Course booklet to be purchased from the Copy Centre

FRNC 1621 Junior French 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Andrea Williams. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent. **Prohibitions:** FRNC 1201. **Assessment:** Class work, assignments, oral and written tests (4000 words equivalent).

This unit of study 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

FRNC 1622 Junior French 4

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Andrea Williams. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** FRNC 1621 or FRNC 1201 or equivalent. **Prohibitions:** FRNC 1202. **Assessment:** Class work, assignments, oral and written tests (4000 words equivalent).

This unit of study is the continuation of FRNC 1621 Junior French 3. It continues to develop speaking, listening, writing and reading skills, while providing further insights into contemporary French culture. Having completed FRNC 1622 Junior French 4, students in their second year will usually enter FRNC 2611 Senior French 1.

Textbooks

Capelle, G & Gidon, N. (1999) *Reflets 1*, Paris: Hachette. Course booklet to be purchased from the University Copy Centre

FRNC 1631 Junior French 5

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Michelle Royer. **Session:** Semester 1. **Classes:** 4 hours per week (1 hour lecture and 3 one hour tutorials). **Prerequisites:** HSC French Continuers and Extension or more than 80% in Continuers French. **Prohibitions:** FRNC 1301. **Assessment:** Class work (900 word equivalent), assignments (1400 word equivalent), tests (2200 word equivalent) (total 4500 word assessment equivalent).

This unit of study is designed for students who have completed a 2 unit HSC French course or equivalent. 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

Forum 3, Hachette: livre de l'élève
Forum 3, Hachette: cahier d'exercices
Course booklet to be purchased from the Copy Centre

FRNC 1632 Junior French 6

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Michelle Royer. **Session:** Semester 2. **Classes:** 4 hours per week (1 hour lecture and 3 one hour tutorials). **Prerequisites:** FRNC 1631 or FRNC 1301 or equivalent. **Prohibitions:** FRNC 1302. **Assessment:** Class work (900 word equivalent), assignments (1400 word equivalent), tests (2200 word equivalent) (total assessment 4500 word equivalent).

This unit of study is the continuation of the first semester unit FRNC 1631. 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

Forum 3, Hachette: livre de l'élève
Forum 3, Hachette: cahier d'exercices
Course booklet to be purchased from the Copy Centre

FRNC 1801 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 1802 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2611 Senior French 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Peter Cowley. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** FRNC 1622, FRNC 1612, FRNC 1202, FRNC 1102 or equivalent. **Prohibitions:** FRNC 2103. **Assessment:** Class work 15% (equivalent to 600 words), reading and writing tests 65% (equivalent to 2600 words), oral tests 20% (equivalent to 800 words).

This course 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 of study is normally taken by specialist students in conjunction with FRNC 2614 French Reading 1.

Textbooks

Reflets 2, Hachette.
Collins-Robert French Dictionaries.

FRNC 2612 Senior French 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Peter Cowley. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** FRNC 2611; FRNC 2103 or equivalent. **Prohibitions:** FRNC 2104. **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 of study is normally taken by specialist students in conjunction with FRNC 2615 French Reading 2. Having completed FRNC 2612 Senior French 2, students in their third year will enter FRNC 2621 Senior French 3.

Textbooks

Reflets 2, Hachette.
Collins-Robert French Dictionaries.

FRNC 2614 French Reading 1: Text and Society

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Rechinowski. **Session:** Semester 1. **Classes:** 2 hours per week (1 lecture and 1 tutorial). **Prerequisites:** FRNC 1612, FRNC 1622, FRNC 1102, FRNC 1202 or equivalent. **Prohibitions:** FRNC 2621, FRNC 3631, FRNC 2501, FRNC 3621 or FRNC 3622. **Assessment:** Three written assignments or essays, approximately 1000 words each, in French (equivalent to 6000 words in English).

This unit of study 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 re-define its role in the world and in Europe.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC 2615 French Reading 2: Literature and Film

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Grauby. **Session:** Semester 2. **Classes:** 2 hours per week (1 lecture and 1 tutorial). **Prerequisites:** FRNC 2614; FRNC 2501 or equivalent. **Prohibitions:** FRNC 2502; FRNC 2622; FRNC 3631; FRNC 3621 or FRNC 3622. **Assessment:** Three written exercises, each 1500 words, one practical class-based activity 1500 word equivalent (total 6000 word equivalent). This unit of study continues the study of French national and cultural identity in the twentieth century, 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 a modern novel and either a play or a film. It is designed for students in the second year of the beginner or intermediate streams, to be taken by specialist students in conjunction with FRNC 2612.

Textbooks

Camus, L'Etranger, Folio

FRNC 2621 Senior French 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Caroline Lipovsky. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** FRNC 2612; FRNC 2104 or equivalent. **Prohibitions:** FRNC 3105. **Assessment:** Class work, 2 oral tests and 2 essays (4500 words).

This unit of study follows on from FRNC 2612 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 team work, role playing and other interactive techniques is an essential aspect of all classes. This unit of study is normally taken by specialist students in conjunction with one of the options.

Textbooks

Forum 3, Hachette: livre de l'élève
Forum 3, Hachette: cahier d'exercices

FRNC 2622 Senior French 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Caroline Lipovsky. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** FRNC 2621; FRNC 3105 or equivalent. **Prohibitions:** FRNC 3106. **Assessment:** Class work, 2 oral tests and presentation, 2 essays (equivalent to 4500 words).

This unit is a continuation of FRNC 2621. It provides further insights into contemporary French culture and will lead to simple discussions on French cultural issues and current affairs. The grammar is studied in context.

Textbooks

Forum 3, Hachette: livre de l'élève
Forum 3, Hachette: cahier d'exercices

FRNC 2666 Research Methods in French Studies

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Michelle Royer. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** Credit in FRNC 1632 or FRNC 2615. **Assessment:** One 15 minute class presentation in French (equivalent to 2000 words in English), one essay in French 2500 words (equivalent to 4000 words). 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.

FRNC 2671 Francophone Studies 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Bronwyn Winter. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1632, FRNC 2615, FRNC1302 or FRNC2502. **Prohibitions:** FRNC 2713 and FRNC 2714. **Assessment:** One 10-15 minute class presentation in French equivalent to 2000 words in English, one 2000 word essay in French equivalent to 4000 words in English (total equivalent to 6000 words in English).

This is one of two units of study providing an introduction to the modern history, society, literature and culture of countries and regions of the French-speaking world, which extends from Europe and North America to the Caribbean, North Africa, West Africa and the Pacific. Modern contemporary authors from up to three countries or regions will be studied. This unit is complementary to FRNC 3672. Different areas of the French-speaking world will be covered in each unit.

FRNC 2681 French Narrative Cinema

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. Royer. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1632; FRNC 1302; FRNC 2615 or FRNC2502. **Prohibitions:** FRNC 2802. **Assessment:** All assessment is in French. Oral presentation (2000 words equivalent), class work (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.

FRNC 2692 The Second French Revolution

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Rechniewski. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1632; FRNC 1302; FRNC 2615; FRNC 2502 or equivalent. **Prohibitions:** FRNC 2702. **Assessment:** One 10 minute class presentation in French (equivalent to 2000 words in English), two essays in French of 1000 words each (equivalent to 4000 words in English) (total assessment equivalent to 6000 words).

In the second half of the twentieth century, French society underwent unprecedented changes, which continue to inform political debate in the third millennium. This unit of study examines the nature of those changes, drawing on the work of theorists such as Simone de Beauvoir, Aimé Césaire and Pierre Bourdieu, and explores their impact both on those caught up in them and on contemporary events and debates. FRNC 2692 is primarily designed for students at language level FRNC 2622 or FRNC 3622.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC 2803 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

For students studying overseas.

FRNC 2804 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

For students studying overseas.

FRNC 2805 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

For students studying overseas.

FRNC 2806 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

For students studying overseas.

FRNC 2807 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

For students studying overseas.

FRNC 2808 French Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

For students studying overseas.

FRNC 3621 Senior French 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Bronwyn Winter. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** FRNC 1632; FRNC1302 or equivalent. **Prohibitions:** FRNC 2303. **Assessment:** One written assignment in French (equivalent to 1500 words in English), one written class test in French (equivalent to 2000 words in English), one oral class test in French (equivalent to 1000 words in English).

This unit of study 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. This unit of study is normally taken by specialist students in combination with one of the options.

Textbooks

J. Ollivier. Grammaire Française (Harcourt Brace Jovanovich)
Duplicated material to be purchased from the University Copy Centre.

FRNC 3622 Senior French 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Bronwyn Winter. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** FRNC 3621; FRNC2303 or equivalent. **Prohibitions:** FRNC 2304. **Assessment:** One written assignment in French (equivalent to 1500 words in English), one written class test in French (equivalent to 2000 words in English), one oral class test in French (equivalent to 1000 words in English).

This unit is a continuation of FRNC 3621. It will normally be taken by specialist students in conjunction with one of the specialist options. Having completed FRNC 3622 Senior French 6, students in their third year will enter FRNC3631 Senior French 7.

FRNC 3631 Senior French 7

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Michelle Royer. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** FRNC 3622; FRNC 2304 or equivalent. **Prohibitions:** FRNC 3305. **Assessment:** Written assignments 55% (2475 word equivalent), oral presentation in French 30% (1350 word equivalent), class work 15% (675 word equivalent).

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.

FRNC 3652 Textual Linguistics

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Alice Caffarel. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1632 or FRNC 2615 or FRNC 1302 or FRNC 2502 or equivalent. **Prohibitions:** FRNC 3603. **Assessment:** Two small assignments (1000 words each) plus one final text analysis and interpretation (4000 words). (Total assessment 6000 words.).

This unit of study explores the French linguistic system in more detail and in particular the semantic system. It focuses on the resources that make a text a cohesive semantic unit, such as logical relations, reference, lexical strings and thematic progression. This unit provides the students with linguistic tools for the analysis and the interpretation of the semantics of French texts in relation to their context of use.

Textbooks

Course booklet to be purchased from the University Copy Centre.

FRNC 3653 French Translation

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Peter Cowley. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** Credit in FRNC 1632; FRNC1302; FRNC 2615; FRNC 2502 or equivalent. **Prohibitions:** FRNC 3810. **Assessment:** Assignments 40% (3000 words), tests 50% (2400 words), participation 10% (600 words). (Totalling 6000 words.).

NB: 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).

FRNC 3683 Uses and Interpretation of Literature

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1632; FRNC 1302; FRNC 2615; FRNC 2502 or equivalent. **Prohibitions:** FRNC 3807. **Assessment:** One 15 minute class presentation in French (equivalent to 2000 words in English), one essay in French 2500 words (equivalent to 4000 words English). (Total assessment of 6000 words.).

5. Undergraduate units of study

This unit will address the question of canonicity and nature of 'literature' through a study of texts (from different genres: novel, poetry) seen in their historical, cultural and social context.

Textbooks

Baudelaire, *Les Fleurs du Mai* (Livres de poche)
Proust, *Du Côté de Chez Swann* (Gallimard)
Duras, *L'Amant de la Chine du Nord* (Gallimard)

FRNC 3685 French Renaissance

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Professor Sankey. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1302; FRNC 1632; FRNC 2615; FRNC 2502 or equivalent. **Prohibitions:** FRNC 3906. **Assessment:** One 15 minute class presentation in French (equivalent to 2000 words in English), one essay in French 2500 words (equivalent to 4000 words in English). (Total assessment equivalent to 6000 words in English).

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

This unit is an introduction to the literature and thought of the French Renaissance through a study of the essay, novel and poetry. This unit is primarily designed for advanced students.

Textbooks

Ronsard, *Les Amours* (Garnier-Flammarion). Rabelais, *Pantagruel* (Garnier-Flammarion). Montaigne, *Essais* (Pocket-Classiques).

FRNC 3693 Intellectual Movements Since 1945

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Rechniewski. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** FRNC 1632; FRNC 2615; FRNC 1302; FRNC 2502 or equivalent. **Prohibitions:** FRNC 3703. **Assessment:** One class paper (2000 words), two written assignments (2000 words each). (Total assessment of 6000 words).

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

This unit of study examines intellectual movements in France since World War II, in particular existentialism, structuralism and post-structuralism, in relation to the different challenges they pose to the tradition of Enlightenment philosophy. The analysis will be placed in the context of the tradition of 'engagement' and the contribution of intellectuals since the war to social and political debate. This unit is primarily designed for advanced students.

Textbooks

Sartre, *L'Existentialisme est un humanisme*.
Course booklet to be purchased from the University Copy Centre.

FRNC 3801 French In-Country Study

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 4011 French Honours A

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Classes:** 6 hours per week. **Prerequisites:** Major in Advanced French or in French with credit average in 48 Senior units, including at least two of the following Special Entry units: FRNC 2901; FRNC 3906; FRNC 3907; FRNC 3908; FRNC 3909 or equivalent. **Assessment:** Class work, assignments, thesis.

NB: Department permission required for enrolment.

The Fourth Year Honours program consists of the following segments:

(a) Practical Language

Lecturer: TBA. Classes: Semesters 1 and 2. Two classes per week. Assessment: class work and assignments.

The aim of the segment is to further the acquisition of skills necessary for the writing of a thesis.

Advanced Practical Language A

Lecturer: Dr Michelle Royer. Classes: Semester 1.

Detailed consideration of the problems of written expression in French and of analysis of written texts. Particular attention will be paid to the development of skills associated with dissertation and thesis writing.

Textbooks

Dr Royer and Dr Grauby. Recherche: Mode d'emploi (French-Australian Research Centre)

Advanced Practical Language B

Lecturer: Dr Michelle Royer. Classes: Semester 2

Detailed consideration of the problems of written expression in French and of analysis of written texts. Particular attention will be paid to the development of skills associated with dissertation and thesis writing.

Textbooks

Dr Royer and Dr Grauby. Recherche: Mode d'emploi (French-Australian Research Centre)

(b) Thesis in French (12,000-15,000 words)

The thesis topic will normally be related to one of the seminars chosen by students under (c) below. A supervisor will be appointed.

(c) Four semester-length seminars:

Theory and Practice of Translation

Classes: Semester 1

Particular attention will be paid to the notion of translation loss and to the development of techniques for minimising such loss. Students will come to grips with these questions by working on a series of assignments.

Ré-écritures

Lecturer: Dr. Winter Classes: Semester 1

This unit looks at anticolonial and postcolonial rewritings, in French, of literary and theatrical works forming part of the Western English-language canon. These rewritings are designed to challenge the dominant ideologies and cultural references contained in these canonical texts. Relationships between form and content and between text and context will be primary foci, as will cross cultural and historical considerations. Although the French texts will be the focus of the seminar, students will also need to familiarise themselves with the English texts from which they draw their inspiration.

Textbooks

Aimé Césaire, *Une tempête* (inspired by Shakespeare's *The Tempest*)
Maryse Condé, *Moi, Tituba, sorcière* (inspired by the story of the Salem witchhunts)

The Representation of Minorities in French Cinema

Lecturer: Dr Michelle Royer. Classes: Semester 2

Since the 1990s there has been a renewed interest in the representation of marginalised social groups in French cinema. This seminar will examine this new tendency of French cinema and will explore through detailed film analyses the way filmmakers are engaging with the problems of social exclusion and marginalisation in their films.

Students will be introduced to French film theories.

Images & Traces in French Literature

Lecturer: Dr F Grauby Classes: Semester 2

This unit will explore the relationships and interplays between writers and visual artists in French contemporary fiction and art. It will examine the varieties of writing which engage with the production of art. Attention will be given to the work of poet/painter Henri Michaux, the art criticism of Hervé Guibert, the representation of the painter in fiction, and the documentation and record of everyday life as presented by visual/performance artists.

FRNC 4012 French Honours B

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Dr Grauby.

Session: Semester 1, Semester 2. **Corequisites:** FRNC4011.

Please refer to FRNC 4011.

FRNC 4013 French Honours C

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Dr Grauby.

Session: Semester 2, Semester 1. **Corequisites:** FRNC4012.

Please refer to FRNC 4011.

FRNC 4014 French Honours D

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Dr Grauby.

Session: Semester 1, Semester 2. **Corequisites:** FRNC4013.

Please refer to FRNC 4011.

Gender Studies

WMST 1801 Gender Studies Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WMST 1801 Gender Studies Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GCST 2601 Gender, Media and Popular Culture

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor E Probyn. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 18 Junior credit points. **Prohibitions:** WMST2001. **Assessment:** one 2000-word in-class exam and one 2000-word take-home exam.

This unit of study will introduce students to the study and analysis of gender, sexuality, race and popular culture. The unit of study will draw on a range of interdisciplinary theories in order to analyse constructions of gender in popular culture genres: magazines, advertising, cinema and televisual genres, popular music and videos.

Textbooks

(Subject to review) Ted Yao and Yuehua Liu. *Integrated Chinese. Level One, Part Two. Textbook, Workbook and Character Workbook.* 2nd edition. Boston: Cheng and Tsui, 2005.

CHNS 1201 Chinese 1C (For Advanced Beginners)

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr E. U. **Session:** Semester 1. **Classes:** Four hours per week. **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. **Corequisites:** Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes. **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). **NB:** Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian 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.

Chou Chih-p'ing, Perry Link and Wang Xuedong. *Oh China: Elementary Reader of Modern Chinese for Advanced Beginners.* Princeton: Princeton University Press, 1997

CHNS 1202 Chinese 1D (For Advanced Beginners)

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr. Y. Wang. **Session:** Semester 2. **Classes:** Four hours per week. **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. **Prerequisites:** CHNS 1201. **Corequisites:** Students are strongly advised to take CHNS 1600, The Chinese Language, Present and Past. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes. **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.

Chou Chih-p'ing, Perry Link and Wang Xuedong. *Oh China: Elementary Reader of Modern Chinese for Advanced Beginners.* Princeton: Princeton University Press, 1997

CHNS 1600 The Chinese Language, Present and Past

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D. Herforth. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** CHNS 1101 or CHNS 1201 or equivalent. **Corequisites:** CHNS 1102, or CHNS 1202, or CHNS 2602. **Prohibitions:** HSC Chinese for Background Speakers; CHNS 2111; CHNS 2112; CHNS 2903; CHNS 2904; CHNS 1313; CHNS 1314. **Assessment:** Four 30-minute tests (40%); one 1,000-word essay (30%); oral presentation based on work for essay (10%); three or four homework assignments (20%).

The Chinese language is a complex, constantly evolving social institution with a fascinating history. Its influence has been felt throughout East Asia and much of mainland Southeast Asia. This unit of study introduces important aspects of that history to students at the early stages of learning Modern Standard Chinese. Besides acquiring insights that will aid their mastery of the modern language, students will sample the interest and beauty of the classical language, vehicle of traditional Chinese poetry and philosophy.

CHNS 1801 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

This unit exists solely as an enrolment option for students who wish to study elementary Chinese while on exchange at a university elsewhere than in China or Taiwan. Students who plan to study Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

CHNS 1802 Chinese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment. See under CHNS 1801.

CHNS 2601 Chinese 2A (Lower Intermediate)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D Bray. **Session:** Semester 1. **Classes:** 5 hours per week (subject to confirmation). **Assumed Knowledge:** One year (approx. 5 hours/wk for 26 weeks) of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** CHNS 1102. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 2101. **Assessment:** Classwork (10%); group performance, including written script (30%); three 50-minute 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 1,000 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.

CHNS 2602 Chinese 2B (Lower Intermediate)

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. D. Bray. **Session:** Semester 2. **Classes:** 5 hours per week (subject to confirmation). **Assumed Knowledge:** Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1,000 characters (preferably full-form). **Prerequisites:** CHNS 2601 or CHNS 2101. **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS 2102. **Assessment:** Classwork (10%); group performance, including written script (30%); three 50-minute tests (20% each).

Continuation of Chinese 2 A, 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 1,300 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.

CHNS 2611 Classical Chinese A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr D. Herforth. **Session:** Semester 1. **Classes:** 3 hours per week. **Assumed Knowledge:** Minimum of one year of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** HSC Chinese for Background Speakers (or equivalent) plus department permission; or CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. **Assessment:** Classwork (10%); two 30-minute tests (5% each); three 40-minute tests (20% each); cultural exploration project resulting in an essay of 1,500 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 (or modern Chinese) on a topic of their choice, thus enriching their knowledge of premodern Chinese culture.

Textbooks

Robert L. Chard and Helen Dunstan. *Foundations in Classical Chinese.* Available from the University Copy Centre.

CHNS 2612 Classical Chinese B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr D. Herforth. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** CHNS 2611 or CHNS 2111 or CHNS 2903; or CHNS 1313 plus instructor's permission. **Prohibitions:** CHNS 2112, CHNS 2904, CHNS 1314. **Assessment:** Classwork (10%); three 50-minute tests (20% each); homework exercises (10%); cultural exploration project resulting in an essay of 1,500 words (20%).

NB: Department permission required for enrolment.

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 and Helen Dunstan. *Foundations in Classical Chinese.* Available from the University Copy Centre. Supplementary reference book: Edwin G. Pulleyblank. *Outline of Classical Chinese Grammar.* Vancouver: UBC Press, 1995

CHNS 2650 Chinese In-Country Study A

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** At least a year of Modern Standard Chinese at tertiary level (or equivalent). **Prerequisites:** CHNS 1102 or CHNS 1202 (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 must present a coherent academic rationale to the department. **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.

NB: Department permission required for enrolment.

Enrolment in an approved 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 pro rata when a student has successfully completed a summer (or equivalent) in-country Chinese-language program.

CHNS 2651 Chinese In-Country Study B

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

5. Undergraduate units of study

GCST 3603

*** No info available for 2006. ***

WMST 4011 Gender Studies Honours A

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Classes:** One 2 hour seminar per week. **Prerequisites:** Credit or above in WMST2001, WMST2002 and WMST3001 and a further 24 credit points in Gender Studies. **Assessment:** All of the major components of the Honours year will be assessed.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

WMST 4012 Gender Studies Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** WMST4011. Refer to WMST 4011

WMST 4013 Gender Studies Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** WMST4012. Refer to WMST 4011

WMST 4014 Gender Studies Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** WMST4013. Refer to WMST 4011

Germanic Studies

GRMN 1111 Junior German 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Bandhauer. **Session:** Semester 1. **Classes:** 4 hours/week. **Prohibitions:** HSC German Extension, German Continuers, German Beginners 65% or above or equivalent. **Assessment:** Class work (tests, assignments, class presentations, participation), one 2 hour examination.

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

AufderstraBe et al, Themen aktuell 1. Kursbuch (Hueber).
AufderstraBe et al, Themen aktuell 1. Workbook. (Hueber).

GRMN 1122 Junior German 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School. Dr Bandhauer. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** GRMN 1111. **Assessment:** Class work (tests, assignments, class presentations, participation), one 2 hour examination.

Practical language classes based on a communicative approach. These classes will develop and extend the language skills acquired in Semester 1.

Textbooks

AufderstraBe et al, Themen aktuell 1. Kursbuch (Hueber).
AufderstraBe et al, Themen aktuell 1. Workbook. (Hueber).

GRMN 1211 Junior German 3

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Borgert. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** HSC German Beginners 65% or above or German Continuers below 70% or equivalent. **Assessment:** Class work (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

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 the student's reading and comprehension skills; it also provides an introduction to the skills of literary analysis.

Textbooks

Departmental Revision Course (UPS)
AufderstraBe et al, Delfin. Lehrbuch. Einbändige Ausgabe (Hueber)
AufderstraBe et al, Delfin. Arbeitsbuch. Einbändige Ausgabe (Hueber)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 1222 Junior German 4

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Borgert. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** GRMN 1211. **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

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 the student's reading and comprehension skills; it also provides an introduction to the skills of literary analysis.

Textbooks

AufderstraBe et al, Delfin. Lehrbuch. Einbändige Ausgabe (Hueber)
AufderstraBe et al, Delfin. Arbeitsbuch. Einbändige Ausgabe (Hueber)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 1311 Junior German 5

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Borgert. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** HSC German Extension or German Continuers 70% or above or equivalent. **Assessment:** Class work (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

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.

Seminar: 1 hour per week. Discussion of a selection of literary texts and a film to develop the students' appreciation of these genres and introduce them to the skills of literary and film analysis.

Textbooks

Perlmann-Balme et al, em, Briickenkurs (Hueber)
Orth-Chambah et al, em, Briickenkurs Arbeitsbuch (Hueber)
Hering et al, em, Übungsgrammatik (Hueber)
Dirrenmatt, Der Besuch der alten Dame (Diogenes detebe 23045)
Film Study: Good bye, Lenin!

GRMN 1322 Junior German 6

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Borgert. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** GRMN 1311. **Assessment:** Class work (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

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 the students' appreciation of literature and introduce them to the skills of literary analysis.

Textbooks

Perlmann-Balme et al, em, Hauptkurs (Hueber)
Perlmann-Balme et al, em, Hauptkurs Arbeitsbuch (Hueber)
Hering et al, em, Übungsgrammatik (Hueber)
German Poetry Course Pack (UPS)
Hauptmann, Bahnwärter Theil (Reclam 6617)

GRMN 2611 Senior German 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** GRMN 1122. **Prohibitions:** GRMN 2211 or GRMN 2222 or GRMN 2311 or GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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 practice both written, oral/aural and comprehension skills.

Textbooks

AufderstraBe et al, Themen aktuell 2. Kursbuch (Hueber)
AufderstraBe et al, Themen aktuell 2. Workbook (Hueber)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 2612 Senior German 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** GRMN 2611 or GRMN 2211. **Prohibitions:** GRMN 2222 or GRMN 2311 or GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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

AufderstraBe et al, Themen aktuell 2. Kursbuch (Hueber)
AufderstraBe et al, Themen aktuell 2. Workbook (Hueber)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 2613 Senior German 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** GRMN 1222 or GRMN 2222 or GRMN 2612. **Prohibitions:** GRMN 2311 or GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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

Aufderstraße et al, Themen neu 3. Kursbuch (Hueber).
Aufderstraße et al, Themen neu 3. Arbeitsbuch (Hueber).

GRMN 2614 Senior German 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** GRMN 2613 or GRMN 2311. **Prohibitions:** GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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 student's command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

Textbooks

Aufderstraße et al, Themen neu 3. Kursbuch (Hueber).
Aufderstraße et al, Themen neu 3. Arbeitsbuch (Hueber).

GRMN 2615 Senior German 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** GRMN 2322 or GRMN 2614. **Prohibitions:** GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.. **Assessment:** One 2 hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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 student's command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

Textbooks

Perlmann-Balme et al, em, Hauptkurs (Hueber)
Perlmann-Balme et al, em, Hauptkurs Arbeitsbuch (Hueber)
Hering et al, em, Übungsgrammatik (Hueber)

GRMN 2616 Senior German 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** GRMN 1322 or GRMN 2615. **Prohibitions:** GRMN 2342 or GRMN 2351 or GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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 student's 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

Perlmann-Balme et al, em, Abschlusskurs (Hueber)
Orth-Chambah et al, em, Abschlusskurs, Arbeitsbuch (Hueber)
Hering et al, em Übungsgrammatik (Hueber)

GRMN 2617 Senior German 7

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** GRMN 2616 or GRMN 2331. **Prohibitions:** GRMN 2351 or GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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 student's command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

Textbooks

Senior German 7 Course Pack (UPS)

GRMN 2618 Senior German 8

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** GRMN 2351 or GRMN 2617. **Prohibitions:** GRMN 2362.. **Assessment:** One 2-hour examination, class work (conversation, class tests, compositions, comprehensions, translations, class presentations equivalent to 2000 words).

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 student's 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

Senior German 8 Course Pack (UPS)

GRMN 2631 Reading Comprehension and Text Study

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. To be advised. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** (GRMN1111 and GRMN1122) or (GRMN1211 and GRMN1222). **Prohibitions:** GRMN 1311 or GRMN 1322 or GRMN 2342 or GRMN 2616 or GRMN 2530 or GRMN 2351 or GRMN 2617 or GRMN 2362 or GRMN 2618.. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (= 6000 words of assessment).

Particularly suitable for students who have completed the Junior Introductory or Junior Intermediate Units of Study. The emphasis of the course will be on improving the student's reading skills, as a necessary prerequisite to literary analysis and interpretation.

Textbooks

Moulden, Ten German Language Short Stories (UPS)

GRMN 2632 Early 20th Century German Culture

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Borgert. **Session:** Semester 1. **Classes:** Two seminar hours/week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Prohibitions:** GRMN 2450.. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1-hour examination (=6000 words of assessment).

This unit will provide students with an in-depth study of the major writers of German literature from the beginning of the 20th century through to about the end of World War II thereby giving students an appreciation of the variety of themes and narrative modes of that period. During this time writers were confronted with massive cultural, social and political changes and we will examine how they dealt with these in their works.

Textbooks

Mann, Tonio Kröger. Mario und der Zauberer (Fischer Tb. 1381)
Lyrik des Expressionismus: Departmental Selection (UPS)
Kafka, Das Urteil und andere Erzählungen (Fischer Tb. 19)
Brecht, Mutter Courage und ihre Kinder (es 49)

GRMN 2633 Topics in German Film

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Prohibitions:** GRMN 2455. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (= 6000 words of assessment).

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

Films: The 'Bundesrepubliktrilogie' of Rainer Werner Fassbinder
Film workbook (UPS)

GRMN 2634 The Fantastic in German Literature

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Birte Giesler. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (= 6000 words of assessment).

This unit considers the fantastic as an essential aspect of literature. It will explore literary works in German of differing epochs and genres dealing with forms and subjects of the magic, uncanny, or supernatural, including aspects of science fiction. Several functions of the fantastic in literature - such as escapism, dealing with the rationally unexplainable, as well as depicting futuristic worlds and going through potential problematic situations - will be investigated.

Textbooks

Gebrüder Grimm, Blaubart (Copy provided by Dept.)
Döblin: Ritter Blaubart. In: A. D.: Die Ermordung einer Butterblume und andere Erzählungen (dvt 13199)
Frisch: Blaubart. (Suhkamp st 2194)
Loher: Blaubart - Hoffnung der Frauen. In Manhattan-Medea. Blaubart - Hoffnung der Frauen. (Verlag der Autoren)

GRMN 2635 Contemporary German Fiction

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Bandhauer. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Prohibitions:** GRMN 2913.. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (= 6000 words of assessment).

NB: 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.

Textbooks

Hackl, Abschied von Sidonie (Diogenes detebe 22428)
Ozdamar, Mutterzunge (Kiwi Taschenbücher Nr. 477)
Hein, Mein erstes T-Shirt (Serie Piper Bd. 3739)

5. Undergraduate units of study

GRMN 2636 Later 20th Century German Culture

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Borgert. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Prohibitions:** GRMN 2420 or GRMN 2451. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (=6000 words of assessment). This unit will provide students with a broad survey of German culture from the end of World War II to the end of the 20th century through the study of representative major literary texts, including works by three Nobel Prize winners for literature: Böll, Grass and Jelinek.

Textbooks

Böll, Das Brot der frühen Jahre (dvt 1374)

Miiller, Germania Tod in Berlin. In: Germania Tod in Berlin. Der Auftrag. (Klett)

Grass, Katz und Maus (SL 148)

Jelinek, Clara S. In: Theatrestücke (rororo 1490)

GRMN 2637 Business German

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Bandhauer. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** GRMN 1222, GRMN 1322 or GRMN 2612. **Assessment:** Classwork (tests, assignments, presentations, participation), one 2 hour examination.

Develops and practises the language skills, both oral and written, necessary for working in a German business environment. The unit 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 1. (Hueber).

Becker, Braunert, Eisfeld, Dialog Beruf 1. Arbeitsbuch (Hueber).

GRMN 2681 Goethe's 'Faust'

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Moulden. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN 1133. **Prohibitions:** GRMN 2910 or GRMN 2912. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (= 6000 words of assessment).

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

This unit undertakes a detailed study of the first part of Goethe's 'Faust' drama, a seminal work in the German literary canon. Some scenes from the second part as well as excerpts from works treating the motif before and after Goethe will also be examined.

Textbooks

Goethe, Faust. Der Tragödie erster Teil (Reclam UB 1)

Goethe's 'Faust' Course Pack (UPS)

Gaier, Erläuterungen und Dokumente zu: Johann Wolfgang Goethe: Faust. Der Tragödie Erster Teil (Reclam UB 16021)

GRMN 2682 Foreign & Exotic in the German World

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Bandhauer. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN 1133. **Prohibitions:** GRMN 3702. **Assessment:** One 3000 word essay, one written tutorial paper (1000 words), one class presentation (1000 words), one 1 hour examination (= 6000 words of assessment).

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

This unit investigates questions of national identity and foreignness (Fremde) in modern literary texts in German. We will consider the construction as well as the deconstruction of belonging and 'being foreign', both by native authors and by so-called 'Ausländer' (foreigners, migrants) writing in German. Narratives critical of concepts of a national identity which excludes, rejects and devalues the 'other', as well as narratives by authors 'embodying' the foreign and 'exotic', will be compared.

Textbooks

Nadolny, Selim oder die Gabe der Rede. (Serie Piper Bd.730)

Özdamar, Die Brücke vom Goldenen Horn, kiwi Taschenbücher 731

Tawada et al, (Course Pack UPS)

GRMN 2811 Germanic Studies Exchange

6 credit points. B A, Dip Lang Stud. Dr Moulden. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRMN 2812 Germanic Studies Exchange

6 credit points. B A, Dip Lang Stud. Dr Moulden. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRMN 2813 Germanic Studies Exchange

6 credit points. B A, Dip Lang Stud. Dr Moulden. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRMN 2814 Germanic Studies Exchange

6 credit points. B A, Dip Lang Stud. Dr Moulden. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRMN 2815 Germanic Studies Exchange

6 credit points. B A, Dip Lang Stud. Dr Moulden. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRMN 4011 German Honours A

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Dr Moulden. **Session:** Semester 1, Semester 2. **Classes:** 5 hours per week. **Prerequisites:** A major in German with a Credit average in 48 Senior credit points of German including 8 credit points of study at 2900 / 3700 level. **Assessment:** (Subject to revision= language assignments, four 4000 word essays including two written in German, class presentation[^]) and one long essay of 12,000 - 15,000 words.

NB: Department permission required for enrolment. Department permission required for enrolment.

This unit consists of the following segments:

A. Advanced Language Tuition

B. Writing of a long essay of 12,000-15,000 words to be researched and written over the whole year. A supervisor will be appointed.

C. Advanced seminars of which students are required to take, two per semester. The seminars offered in 2005 are:

1. Theatre Works of Hugo von Hofmannsthal

Dr Moulden

Offered: Semester 1

Classes: 2 hours per week

Assessment: One 4000 word essay

This seminar will examine principally those texts by Hofmannsthal which were set to music by Richard Strauss. They include the Freudian reinterpretation of Sophocles' 'Elektra', the Viennese comedy 'Der Rosenkavalier', the ironic world-theatre play 'Ariadne auf Naxos', the symbolic dramas 'Die Frau ohne Schatten' and 'Die ägyptische Helena' with their roots in the worlds of fairytale and Classical mythology respectively, and finally the Viennese operetta text 'Arabella'.

Textbooks:

Hofmannsthal, Elektra (Fischer Tb 12366)

Hofmannsthal, Dramen V (Fisher Tb 2163)

2. Artificial Humans in German Literature and Film

Dr Giesler

Offered: Semester 1

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s).

Cyborgs, designer babies, clones, artificial intelligence - today's mass media is crowded with artificial humans. Far from being just a recent phenomenon the artificial creation of human life is an eternal dream of humankind. This course considers the motif of the artificial human from the early myths (Prometheus, Pygmalion, Golem etc.) to its manifestations in contemporary literature, including the famous silent film "Metropolis". We will analyze a selection of poems dealing with the tradition of this motif (poems by Goethe, Droste-Hülshoff, Dischereit etc.), in addition we will examine Hoffman's popular romantic story about a young man falling in love with a puppet. Next we will discuss an early socio-critical science fiction movie about the 'woman-machine' Maria and finally we will be investigating two contemporary works dealing with reproductive cloning and human clones.

Textbooks:

Poems by Goethe, Droste-Hülshoff, Dischereit (Dept 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.

3. Warrior Women

Dr Borgert

Offered: Semester 2

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s)

This course examines the portrayal of four heroines, Johanna, Pen-thesilea, Medea and Judith, who have continued to fascinate writers (as well as other artists) as they endeavour to explore the multi-layered psychological make-up of these female figures. All of the heroines are strong and complex personalities who search in various ways to assert their female identity and autonomy by challenging the prevailing patriarchal structures and ideologies.

Schiller's play 'Die Jungfrau von Orleans' (1801) has as its subject the virginal female warrior figure from history who, despite a brief period of doubt, pursues her divine mission and dies in a blaze of glory on the battlefield. While Schiller's play received adulation, Kleist's contemporaries were deeply shocked by his tragedy 'Pen-thesilea' (1808). It deals with the conflict between Achilles and the Amazon queen Penthesilea who slays Achilles in the belief that he has scorned her love. The intensity of her love and her boundless hate render her oblivious to all else. Grillparzer's 'Medea' (1820) is the third drama in his trilogy 'Das goldene Vließ' which deals with the myth of Jason and the Argonauts. 'Medea', usually performed

on its own, depicts a heroine who wreaks terrible vengeance on her husband by killing her own children. Hebbel's play 'Judith' (1840) is based on the apocryphal story of the same name, but Hebbel made significant changes in the portrayal of her character and in the interpretation of her motives for murdering Holofernes.

Textbooks

Schiller, Die Jungfrau von Orleans (Reclam 47)

Kleist, Penthesilea (Reclam 1305)

Grillparzer, Medea (Reclam UB 4380)

Hebbel, Judith (Reclam UB 3161)

4. Liebe als unmögliche Utopie: Liebesgeschichten in der modernen Literatur

Dr Bandhauer

Offered: Semester 2

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s)

This seminar will look at the deconstruction of traditional love stories and love myths. It will examine the roles of women in such stories and how the traditional love plot is written in modern literature by women.

Textbooks

Bachmann, Das dreiBigste Jahr (Piper 1509)

Wolf, Medea, Stimmen (dtv 12444)

Maron, Animal Triste (Fischer Tb. 13933)

GRMN 4012 German Honours B

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** GRMN4011. Refer to GRMN 4011.

GRMN 4013 German Honours C

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** GRMN4012. Refer to GRMN 4011.

GRMN 4014 German Honours D

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** GRMN4013. Refer to GRMN 4011.

Greek (Ancient)

GRKA 1001 Greek 1.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr MacAlister. **Session:** Semester 1. **Classes:** 4 lec & 1 tut/wk. **Prohibitions:** GRKA 1101. **Assessment:** one 2hr exam, classwork and weekly assignments (equivalent to 2,500 words).

Greek 1.1 requires no previous knowledge of Greek. Normally students who have completed the HSC in Ancient Greek (or the equivalent) are not admitted. The aim of this unit is to provide students with a basic knowledge of the language. It caters for a wide variety of students, ranging from those who intend subsequently to proceed with Greek, to those who wish to have a background to their studies in other subjects in which a knowledge of Greek is valuable or indispensable - for example Ancient History, Classical Archaeology, Modern Greek and Philosophy.

1. Classical grammar with graded texts and exercises.

2. Translation to and from Classical Greek.

3. Cultural, social and historical background is illustrated by the graded readings and prescribed texts.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)

Abbott and Mansfield. A Primer of Greek Grammar (Duckworth)

Liddell and Scott. Abridged Greek Lexicon (OUP)

GRKA 1002 Greek 1.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr MacAlister. **Session:** Semester 2. **Classes:** 4 lec & 1 tut/wk. **Prerequisites:** GRKA 1001. **Prohibitions:** GRKA 1102. **Assessment:** one 2 hour exam, one 1 hour exam, classwork and weekly assignments (equivalent to 1,500 words).

1. Classical grammar with graded texts and exercises

2. Prescribed texts: selections from a prose author or a verse author

3. Translation to and from Classical Greek

4. Cultural, social and historical background as illustrated by the graded readings and prescribed texts.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)

either

Chariton's novel Chaireas and Kallirhoe (text to be supplied)

or

Scenes from Euripides ed. Kennedy

Abbott and Mansfield. A Primer of Greek Grammar (Duckworth)

Liddell and Scott. Abridged Greek Lexicon (OUP)

GRKA 2603 Greek 2.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr E Gee. **Session:** Semester 1. **Classes:** 4 hours a week. **Prerequisites:** GRKA 1002 or GRKA 2302 and GRKA2312orGRKA2612. **Prohibitions:** GRKA1101,GRKA1102andGRKA2003. **Assessment:** language and text work totalling 2000 words, plus one 2-hour exam or equivalent.

1. Language

2. Set text(s)

The text to be studied will be posted before the end of teaching in Semester 2 of the previous year.

GRKA 2604 Greek 2.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr E Gee. **Session:** Semester 2. **Classes:** 3 hours a week. **Prerequisites:** GRKA 2003 or GRKA2603. **Prohibitions:** GRKA1102 and GRKA2004. **Assessment:** language and text work totalling 2000 words, plus one 2-hour exam or equivalent.

1. Language

2. Set text(s)

Texts to be studied will be posted before the end of teaching in Semester 2 of the previous year.

Textbooks

(i) a standard Greek grammar; either

W.W. Goodwin. Greek Grammar (Macmillan), or

H. W. Smyth. Greek Grammar for Colleges (Harvard UP)

(ii) a lexicon; either

Liddell and Scott. Intermediate Greek Lexicon (OUP), or

Liddell and Scott. Greek Lexicon 9th edn with supplement (OUP)

GRKA 2605 Greek 2.3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof P Wilson. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** 12 credit points in Greek (GRKA). **Corequisites:** GRKA2603. **Prohibitions:** GRKA2901. **Assessment:** written assignments totalling 4000 words, plus 2 hours of exams.

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

Two Extension Topics. Extension Topics will be posted before the end of teaching in Semester 2 of the previous year.

GRKA 2606 Greek 2.4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof P Wilson. **Session:** Semester 2. **Classes:** 2 hours a week. **Prerequisites:** GRKA2603 or GRKA2003. **Corequisites:** GRKA2604. **Prohibitions:** GRKA2902. **Assessment:** written assignments totalling 4000 words, plus 2 hours of exams.

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

Two Extension Topics. Extension Topics will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 2611 Accelerated Greek 2.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr MacAlister. **Session:** Semester 1. **Classes:** 4 hours a week. **Prerequisites:** 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation/ Classical Studies or Latin or Ancient History or Philosophy or Modern Greek, or by special permission. **Prohibitions:** GRKA 1001 and 2301. **Assessment:** assignments and classwork totalling 2000 words plus one 2-hour exam.

This unit of study provides a basis for a reading knowledge of Classical Greek prose.

GRKA 2612 Accelerated Greek 2.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr MacAlister. **Session:** Semester 2. **Classes:** 4 hours a week. **Prerequisites:** GRKA2301 or GRKA2611. **Prohibitions:** GRKA 1002 and GRKA2302. **Assessment:** assignments and classwork totalling 1500 words, plus one 2-hour exam and one 1-hour exam.

This unit of study provides a reading knowledge of Classical Greek prose.

GRKA 2804 Greek (Ancient) Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRKA 2805 Greek (Ancient) Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

GRKA 3607 Greek 3.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof P Wilson. **Session:** Semester 1. **Classes:** 3 hours a week. **Prerequisites:** GRKA 2004 or GRKA2604. **Prohibitions:** GRKA3005. **Assessment:** assignments and test totalling 1000 words, essay of 1500 words, plus one 2-hour exam.

1. Language

2. Set texts

Extension topics and texts will be announced before the end of teaching in Semester 2 of the previous year.

GRKA 3608 Greek 3.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof P Wilson. **Session:** Semester 2. **Classes:** 3 hours a week. **Prerequisites:** GRKA3005 or GRKA3607. **Prohibitions:** GRKA3006. **Assessment:** assignments and test totalling 1000 words, essay of 1500 words, plus one 2-hour exam.

5. Undergraduate units of study

1. Language
2. Set texts.

GRKA 3609 Greek 3.3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof P Wilson. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** 24 credit points of Senior Greek. **Prohibitions:** GRKA3903. **Assessment:** written assignments totalling 4000 words, plus 2 hours of exams.

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

Two 1 -hour Extension Topics or one 2-hour Extension Topic. Extension Topics will be announced before the end of teaching in Semester 2 of the previous year.

GRKA 3610 Greek 3.4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof P Wilson. **Session:** Semester 2. **Classes:** 2 hours a week. **Prerequisites:** GRKA3903 or GRKA3609. **Prohibitions:** GRKA3904. **Assessment:** written assignments totalling 4000 words, plus 2 hours of exams.

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

Two 1 hr Extension Topics or one 2 hr Extension Topic. Extension Topics will be announced before the end of teaching in Semester 2 of the previous year.

GRKA 4011 Greek Honours A

12 credit points. B A (Hons), Dip Lang Studs (Hons). Professor Wilson. **Session:** Semester 1, Semester 2. **Classes:** three 1 hour seminars/wk or one 2 hour seminar and one 1 hour seminar/wk (three 1 hour extension topics or one 2 hour extension topic and one 1 hour extension topic). **Prerequisites:** Credit in 60 credit points of Greek including GRKA3903 and GRKA3904 and either GRKA3105 and GRKA3106 or GRKA3005 and GRKA3006. **Assessment:** six 1 hour exams or equivalent, two 1.5 hour exams and one 3 hour exam.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

GRKA 4012 Greek Honours B

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to GRKA4011. **Corequisites:** GRKA4011. **Assessment:** Refer to GRKA4011.

RefertoGRKA4011

GRKA 4013 Greek Honours C

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to GRKA4011. **Corequisites:** GRKA4012. **Assessment:** Refer to GRKA4011.

Refer to GRKA 4011

GRKA 4014 Greek Honours D

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** Refer to GRKA4011. **Corequisites:** GRKA4013. **Assessment:** Refer to GRKA4011.

RefertoGRKA4011

Hebrew (Classical)

HBRW 1111 Hebrew Classical B1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 4 hours per week. **Prohibitions:** HBRW1311. **Assessment:** One 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

See Department

HBRW 1112 Hebrew Classical B2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young, Dr Berrin. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1111. **Prohibitions:** HBRW1312. **Assessment:** One 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

See Department Selections from the Hebrew Bible (T'nach) for reading

HBRW 2625 Hebrew Classical 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Ebied, Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1112 or HBRW 2632 or HBRW 2402 or HSC Hebrew or equivalent. **Prohibitions:** HBRW 2115.. **Assessment:** One 2 hour exam equivalent to 2000 words (60%), continuous assessment and class preparation equivalent to 1000 words (20%), 1500 word essay (20%).

NB: This unit is available as a designated 'Advanced' unit to students 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); and special background area study: The history of Hebrew down to 600 BCE (2 hours).

HBRW 2626 Hebrew Classical 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young, Dr Berrin. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1112 or HBRW 2632 or HSC Hebrew or equivalent. **Prohibitions:** HBRW 2116.. **Assessment:** One 2 hour exam equivalent to 2000 words (60%), continuous assessment and class preparation equivalent to 1000 words (20%), 1500 word essay (20%).

NB: This unit is available as a designated 'Advanced' unit to students 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); and special background area study: Canon and text of the Hebrew Bible (2 hours).

HBRW 2631 Hebrew Accelerated C1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young, Dr Berrin. **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:** HBRW 1111; HBRW 1112; HBRW 2401.. **Assessment:** One 2 hour exam equivalent to 2000 words (60%), continuous assessment equivalent to 2000 words (40%).

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.

HBRW 2632 Hebrew Accelerated C2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young, Dr Berrin. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2631. **Prohibitions:** HBRW 1112; HBRW 2402.. **Assessment:** One 2 hour exam equivalent to 2000 words (60%), continuous assessment equivalent to 2000 words (40%).

This unit of study 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.

HBRW 2643 Aramaic 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** HBRW 1112 or HBRW 2632 or HBRW 2402 or HSC Hebrew or equivalent. **Prohibitions:** HBRW 3901. **Assessment:** One 2 hour exam equivalent to 2000 words (50%), 2500 word essay (30%), continuous assessment and class preparation equivalent to 1500 words (20%).

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

This unit of study investigates the language, background and text history of the principal witnesses to Biblical Aramaic, the Books of Daniel and Ezra.

HBRW 2644 Aramaic 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Young. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** HBRW 1112 or HBRW 2632 or HSC equivalent. **Prohibitions:** HBRW 3902.. **Assessment:** One 2 hour exam equivalent to 2000 words (50%), 2500 word essay (30%), continuous assessment and class preparation equivalent to 1500 words (20%).

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

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

HBRW 2651 Syriac1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Ebied. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** HBRW1112 or HBRW2632 or HBRW2402 or HSC Hebrew or equivalent. **Prohibitions:** HBRW2911.. **Assessment:** One 2 hour exam equivalent to 2000 words (60%), weekly assignments/exercises (30%), class participation (10%) equivalent to 4000 words.

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, OUR

HBRW 2652 Syriac 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Ebied. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** HBRW2651. **Prohibitions:** HBRW2912.. **Assessment:** One 2 hour exam equivalent to 2000 words (60%), weekly assignments/exercises (30%), class participation (10%) equivalent to 4000 words.

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.

HBRW 2661 Akkadian Language 1

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Weeks. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** HBRW1 111 and HBRW1112 or equivalent in these or another Semitic language. **Prohibitions:** ANHS3923.. **Assessment:** One 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.

HBRW 2662 Akkadian Language 2

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Weeks. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** HBRW2661. **Prohibitions:** ANHS3922.. **Assessment:** One 2 hour exam equivalent to 2000 words, one 2000 word essay, class preparation equivalent to 2000 words.

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

HBRW 3653 Syriac 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Ebied. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** HBRW2652. **Prohibitions:** HBRW3912.. **Assessment:** One 2 hour exam equivalent to 2000 words (50%), 2500 word essay (30%), continuous assessment equivalent to 1500 words (20%).

This unit of study 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.

HBRW 3654 Syriac 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Ebied. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** HBRW3653. **Prohibitions:** HBRW3912.. **Assessment:** One 2 hour exam equivalent to 2000 words (50%), 2500 word essay (30%), continuous assessment equivalent to 1500 words (20%).

This unit of study 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.

HBRW 4011 Hebrew (Classical) Honours A

12 credit points. B A (Hons), Dip Lang Studs (Hons). Dr Young, Dr Berrin. **Session:** Semester 1, Semester 2. **Classes:** 6 hours per week. **Prerequisites:** Credit results in (HBRW 2115 or HBRW 2625) and (HBRW 2116 or HBRW 2626), plus 16 extra credit points from the Department of Hebrew, Biblical and Jewish Studies. **Assessment:** Semester 1: Two 3 hour exams (80%), 2000 word essay (20%). Semester 2: Two 3 hour exams (70%), thesis (30%).

NB: Department permission required for enrolment.

First Semester: (i) Students will continue their study of classical Hebrew texts with the study of the Megilloth; (ii) An additional Semitic language will be studied (2 hours per week) from the following: Aramaic, Syriac, Akkadian, Ugaritic.

(iii) One special area of study will be chosen (2 hours per week) from the following: Classical Hebrew Literature; Medieval Hebrew Literature; Northwest Semitic Inscriptions.

Second Semester: (i) Classical Hebrew texts (2 hours per week); (ii) Additional Semitic language (2 hours per week) out of: Aramaic, Syriac, Akkadian, Ugaritic; (iii) Special area of study (2 hours per week) from the following: Modern Hebrew Literature; Samaritan Literature; Septuagint; (iv) A special interest study will be pursued by students under supervision, leading to the writing of a 10,000 word honours thesis.

(The Department reserves the right not to offer any option if staffing is not available).

HBRW 4012 Hebrew (Classical) Honours B

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4011.

Refer to HBRW 4011

HBRW 4013 Hebrew (Classical) Honours C

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4012.

Refer to HBRW 4011

HBRW 4014 Hebrew (Classical) Honours D

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4013.

Refer to HBRW 4011

Hebrew (Modern)

HBRW 1011 Hebrew Modern B1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Assessment:** Continuous class assessment, class tests, semester exam.

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 teaching 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.

HBRW 1102 Hebrew Modern B2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1011 or equivalent knowledge as determined by the department. **Prohibitions:** HBRW 1302. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit is an extension of the work done in HBRW 1011 (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.

HBRW 2603 Hebrew Modern 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. 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 1 hour exam equivalent to 1000 words (30%), final 2 hour exam equivalent to 2000 words (30%), continuous assessment and class preparation equivalent to 1500 words (40%).

This unit of study is an extension of the work done in HBRW 1102. 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.

HBRW 2604 Hebrew Modern 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW1102. **Prohibitions:** HBRW2104.. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (30%), final 2 hour exam equivalent to 2000 words (30%), continuous assessment and class preparation equivalent to 1500 words (40%).

This unit of study is an extension of the work done in HBRW 2603. 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.

HBRW 2605 Hebrew Modern 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW1102. **Prohibitions:** HBRW2105.. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (30%), final 2 hour exam equivalent to 2000 words (30%), continuous assessment and class preparation equivalent to 1500 words (40%).

This unit of study picks up from HBRW 2604. 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.

HBRW 2606 Hebrew Modern 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW1102. **Prohibitions:**

5. Undergraduate units of study

HBRW2106.. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (30%), final 2 hour exam equivalent to 2000 words (30%), continuous assessment and class preparation equivalent to 1500 words (40%).

This unit of study is an extension of the work done in HBRW 2605. 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 HBRW 2607 and HBRW 2608.

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.

HBRW 2607 Hebrew Modern 7

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW2606, or Modern Hebrew HSC, or equivalent knowledge as determined by the department. **Prohibitions:** HBRW1301. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (30%), final 2 hour exam equivalent to 2000 words (30%), continuous assessment and class preparation equivalent to 1500 words (40%).

This unit of study picks up from HBRW 2606. 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 sociocultural issues from the 19th century to the present time, will be further developed.

Special significance is attached to this unit. Upon its completion students can be admitted to regular studies at the Hebrew University, Jerusalem.

Textbooks

Cohen, M. (1992), Hebrew, What a Language (Agada Shel Safa) Academon, Jerusalem.

Lauden E., Weinbach L. (1993) Multi Dictionary: Bilingual Learners' Dictionary. Ad, Tel Aviv. Further materials are supplied by the department.

HBRW 2608 Hebrew Modern 8

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW2607, or equivalent knowledge as determined by the department. **Prohibitions:** HBRW1302. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (30%), final 2 hour exam equivalent to 2000 words (30%), continuous assessment and class preparation equivalent to 1500 words (40%).

This unit of study picks up from HBRW 1301. Students will further improve their communicative skills while consolidating their grammatical knowledge.

Special significance is attached to this unit. Upon its completion students can be admitted to regular studies at the Hebrew University, Jerusalem.

Textbooks

Cohen, M., (1992), Hebrew, What a Language (Agada Shel Safa) Academon, Jerusalem.

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

Further materials will be supplied by the department.

HBRW 2609 Hebrew Modern 9

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW2608, or equivalent knowledge as determined by the department. **Prohibitions:** HBRW2303. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (20%), final 1.5 hour exam equivalent to 1500 words (20%), 500 word essay (25%), continuous assessment and class preparation equivalent to 1500 words (35%).

This unit of study is an extension of HBRW 2608. 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 which reflect sociocultural issues of Israeli society over the last two centuries.

Textbooks

Dahan, H., Ettinger, B. (1990) Open Door to Level Dalet (Delet le Dalet) Academon, Jerusalem.

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

Further material will be supplied by the department

HBRW 2610 Hebrew Modern 10

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW2608. **Prohibitions:** HBRW2304.. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (20%), final 1.5 hour exam equivalent to 1500 words (20%), 500 word essay (25%), continuous assessment and class preparation equivalent to 1500 words (35%).

This unit of study is an extension of HBRW 2609. 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

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

Dahan, H., Ettinger, B. (1990), Open Door to Level Dalet (Delet le Dalet) Academon, Jerusalem.

Further material will be supplied by the department.

HBRW 2611 Hebrew Modern 11

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. 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 1 hour exam equivalent to 1000 words (20%), final 1 hour exam equivalent to 1000 words (20%), 1000 word essay (25%), continuous assessment and class preparation equivalent to 1500 words (35%).

This unit of study is an extension of HBRW 2610 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 sociocultural issues of Israeli society.

Textbooks

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

Further material will be supplied by the department.

HBRW 2612 Hebrew Modern 12

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW2608 or equivalent knowledge as determined by the department. **Prohibitions:** HBRW2306.. **Assessment:** Mid-semester 1 hour exam equivalent to 1000 words (20%), final 1 hour exam equivalent to 1000 words (20%), 1000 word essay (25%), continuous assessment and class preparation equivalent to 1500 words (35%).

This unit of study is an extension of HBRW 2611. 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 sociocultural issues of Israeli society.

Textbooks

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

Further material will be supplied by the department.

HBRW 4021 Hebrew (Modern) Honours A

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Consult Department for details.

NB: Department permission required for enrolment.

HBRW 4022 Hebrew (Modern) Honours B

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** HBRW4021.

HBRW 4023 Hebrew (Modern) Honours C

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4022.

HBRW 4024 Hebrew (Modern) Honours D

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4023.

Heritage Studies

HRTG 2601 Approaching Heritage Studies

6 credit points. B A, Dip Arts. Dr Annie Clarke. **Session:** Semester 1. **Classes:** 3-4 hours a week. **Prerequisites:** At least 18 junior credit points. **Prohibitions:** HRTG2001. **Assessment:** One essay of 2000 words and a project report of 2500 words.

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.

HRTG 2602 The Museum and Cultural Heritage

6 credit points. B A, Dip Arts. Dr Annie Clarke. **Session:** Semester 2. **Classes:** 3-4 hours a week. **Prerequisites:** HRTG 2001 or HRTG2601 or ARHT2034. **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.

HRTG 2804 Heritage Studies Exchange

6 credit points. B A. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

HRTG 2805 Heritage Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HRTG 2806 Heritage Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HRTG 2809 Heritage Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HRTG 2810 Heritage Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HRTG 3601 Heritage Museums and the Public Sphere

6 credit points. B A, Dip Arts. Dr Annie Clarke. **Session:** Semester 1. **Classes:** 2 hours a week. **Prerequisites:** HRTG 2001 or HRTG2601 or ARHT2034. **Prohibitions:** HRTG3001. **Assessment:** One 3,000 word essay, seminar presentation and one 3,000 word seminar paper.

This unit of study examines the relationship between heritage and the public. It considers the way in which the study of heritage sites and cultural material are used to construct public culture and public history. The birth of the modern museum as a public space, which houses the cultural heritage of communities and nations, will also be considered.

HRTG 3602 Social History and Heritage Studies

6 credit points. B A, Dip Arts. Dr Annie Clarke. **Session:** Semester 2. **Classes:** 2 hours a week. **Prerequisites:** HRTG 2001 or HRTG2601 or ARHT2034. **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**HIUR 1001 Hindi and Urdu Introductory 1**

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 4 hrs/week. **Assessment:** Classwork and exam.

An introduction to the grammar and syntax of Hindi-Urdu as a spoken language. The unit will deal with:

1. basic elements of Hindi-Urdu grammar, phonetics and orthography;
2. spoken Hindi-Urdu;
3. readings of set text, translation from Hindi-Urdu into English and English into Hindi-Urdu.

Textbooks

R. Barz and Y. Yadav An Introduction to Hindi and Urdu (Munshiram Manoharlal, 1993)

HIUR 1002 Hindi and Urdu Introductory 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** HIUR 1001. **Assessment:** Classwork & exam.

This unit is an extension of work done in HIUR 1001. Students will achieve a reading and writing ability in basic Hindi-Urdu by the end of the unit.

HIUR 2601 Hindi and Urdu Intermediate 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** HIUR 1002 or equivalent. **Prohibitions:** HIUR 2001. **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words), and examination (equivalent to 1500 words).

This unit will consolidate oral, aural and written language skills. The unit consists of:

1. consolidation and practice of oral language skills in complex situations
2. advanced course in grammar
3. reading a selection of short stories and poems.

HIUR 2602 Hindi and Urdu Intermediate 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** HIUR 2001 or HIUR 2601 or equivalent. **Prohibitions:** HIUR 2002. **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words), and examination (equivalent to 1500 words).

This unit is an extension of work done in HIUR 2001. It will provide further consolidation of oral, aural and written language skills.

HIUR 3601 Hindi and Urdu Advanced 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** HIUR 2002 or HIUR 2602 or equivalent. **Prohibitions:** HIUR 3001. **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words), and examination (equivalent to 1500 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.

HIUR 3602 Hindi and Urdu Advanced 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** HIUR 3601 or equivalent. **Prohibitions:** HIUR 3002. **Assessment:** Classwork (equivalent to 1500 words), assignments (equivalent to 1500 words), and examination (equivalent to 1500 words).

This unit is an extension of work done in HIUR 3601.

History**HSTY 1022**

*** No info available for 2006. ***

HSTY 1025 The Middle Ages (500-1500)

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. Lyn Olson/Julie Smith. **Session:** Semester 1. **Classes:** 2 hours of lectures and 1 hour of tutorial a 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.

HSTY 1031 Renaissance and Reformation (1498-1648)

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr A Fitzmaurice. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assessment:** One 2500 word essay, and one 2 hour exam (total 4500 words).

Starting with the brilliant culture of Renaissance Italy, with its courts, despots, republics, courtiers, diplomats, with its humanists, artists and their patrons, the course will then move to the religious, political, social and cultural revolution known as the Reformation, with its great theologians, preachers and writers like Luther, Calvin, More and Montaigne. Throughout the semester, attention will be paid to both 'high' and popular culture. The course will conclude with an examination of how these forces were played out in the English Revolution. Attention will also be given to Europe's 'discovery' and conquest of the New World.

HSTY 1034

*** No info available for 2006. ***

HSTY 1043

*** No info available for 2006. ***

HSTY 1044 Twentieth Century Politics and Culture

6 credit points. B A, B Ed (Sec: Aboriginal), B Int S, Dip Arts, UG Study Abroad Program. Dr Keene. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Prohibitions:** HSTY 1043. **Assessment:** 2500 words written work and one 2 hr exam; 60% classwork and 40% exam.

This unit traces the history of public and private life through the examination of the political and social events which have shaped the twentieth century. In particular, the focus is on the daily lives of those who experienced these events. Using a variety of sources from oral history, first person accounts and literary works, as well as new historical interpretations, students will examine the ways in which ordinary people have attempted to respond to the changing world around them.

HSTY 1045 Modern European History 1750-1914

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. A/Prof. R Aldrich, Dr A Bashford. **Session:** Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assessment:** Various pieces of written work totalling 4500 words.

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

5. Undergraduate units of study

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.

HSTY 1076 American History from Lincoln to Clinton

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, Economics UG Non-Degree, UG Study Abroad Program. Dr C Corbould. **Session:** Semester 1. **Classes:** 2 one hour lectures and 1 one hour tutorial per week. **Prohibitions:** HSTY2035. **Assessment:** A 500 word tutorial paper, a 1750 word essay, a group tutorial presentation (equivalent to 250 words), and a two 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.

HSTY 1088 Australian History: An Introduction

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr P Russell. **Session:** Semester 2. **Classes:** two lectures and one tutorial/week. **Assessment:** one 500w document exercise, one 2,000w essay and one 2 hr exam.

Between 1880 and 1940, Australia's transformation from disparate colonies to self-conscious nation was marked by battles over land, law and labour, waged on remote frontiers and in populous cities. But it was also formed out of unities of blood, race and loyalty. Traces of a contested history lie all around us: in the transformed environment, cultural heritage, museums and memorials, libraries and archives. This unit examines those sources to discover the ways past Australians imagined their identity, in crises and in everyday life.

Recommended reading:

Stuart Macintyre, *A Concise History of Australia* (Cambridge University Press, 1999)

Richard White, *Inventing Australia: Images and Identity 1688-1980* (Allen & Unwin, 1981)

HSTY 1801 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 1802 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 2304 Imperialism, 1815-2000

6 credit points. B A, B Sc, B Com, Dip Arts, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one hour tutorial. **Assessment:** 2500 word essay; tutorial presentation (equivalent to 1000 words); one hour exam (equivalent to 1000 words).

Imperialism, the 'scramble' for Africa, Asia and the Pacific, is one of the most important subjects in modern history. This unit will examine imperialism, resistance to foreign rule, and decolonization from 1815 to the present. It will look at particular cases of expansion (especially the French and British examples), and examine the theories used to understand imperialism. Among specific themes that may be covered are the ideologies of empire and culture, gender, race, the environment, and imperialism and nationalism.

HSTY 2603 Cultural Transmissions 1750-1914

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof. R Waterhouse and Dr M MacKellar. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hr tutorial per week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2003. **Assessment:** one 2500 word essay and one 2 hour exam.

This unit compares the cultural values and institutions of the United States and Australia in the nineteenth and twentieth centuries. Particular emphasis is placed on the roles of literature, art, and popular culture. Some attention will also be paid to the comparative roles of the American and Australian landscapes and frontiers in shaping cultural imaginations.

This unit will also be taught concurrently at the University of North Carolina, Chapel Hill. Students at Sydney and Chapel Hill will share their learning and assessment experiences via the Web and through teleconferencing

HSTY 2607 Approaches to the Arab Israeli Conflict

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dirk Moses. **Session:** Semester 2. **Classes:** 2 hours of lectures and 1 hour tutorial a week. **Prerequisites:** 12 junior credit points in History, Arabic and Islamic Studies, or Hebrew, Biblical and

Jewish Studies. **Prohibitions:** JCTC2008. **Assessment:** Tutorial presentation (equivalent of 1000 words), 2500 word course essay, 1 hour examination (equivalent of 1000 words). 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.

ANHS 2608 The World Turned Upside Down

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr P Brennan, Dr L. Olson. **Session:** Semester 2. **Classes:** 2 lec and 1 tut/wk. **Prerequisites:** 12 junior credit points of ANHS or HSTY or ASNS OR 6 junior credit points of ANHS or HSTY or ASNS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE. **Prohibitions:** HSTY2024. **Assessment:** class paper (2500 wds); 2.5 hour exam; other prescribed classwork.

This is the story of the transformation from the Roman to the medieval European world c.AD 150-800, told mainly through the works and artefacts of those who lived the transformation. We shall focus on three themes: authority structures, identities and frontiers; and shall test two propositions: that the Roman underworld and the barbarian outerworld turned the old world upside down in the formation of medieval culture and that this world underwent deep structural change in the third and seventh centuries AD.

HSTY 2608 Film and History

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Keene. **Session:** Semester 1. **Classes:** 1 lecture, 1 tutorial and 1 screening/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2008. **Assessment:** One 500 word tutorial paper; one 2,000 word essay, one 2000 word take-home exam.

Using a number of significant films from across the continent of Europe, the course examines the way in which films can both create the past and transform existing ideas about the past. The course examines a range of different kinds of films: "historical" films which set out self-consciously to construct a version of the past as well as those in which film-makers have confronted the contemporary problems of their own society.

HSTY 2609 African-American History and Culture

6 credit points. B A, Dip Arts, UG Study Abroad Program. Ms C Corbould. **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:** HSTY2009. **Assessment:** 2500 words written work and one 2 hour examination.

African-American history and culture, including: African cultures and their adaptations in the New World settings; slave trade; emergence of plantation systems and slavery; varieties of slave culture; slave violence and forms of resistance; race relations in post slave societies; emergence of northern ghettos; black nationalism and mass movements of the 1920s; black music, literature and film; Martin Luther King and the Civil Rights Movement; Malcolm X, the black Muslims and black power; the role race plays in contemporary America.

HSTY 2613 Modern Russia: State, Society, Culture

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Z Zlatar. **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:** HSTY2013. **Assessment:** one 2500 word essay and one 2 hour exam. 60% coursework [50% essay, 10% tutorial participation], 40% exam.

"Russia is a European state", Catherine the Great proclaimed, and this unit will start with the Westernisation of Imperial Russia under Peter the Great and his successors in the 18th and 19th centuries. It will then deal with the revolutions of 1905 and 1917, and the Soviet regime under Lenin, Stalin, and their successors until the collapse of the Soviet Union and the emergence of post-Soviet Russia. Equal emphasis will be placed on intellectual/cultural as well as social and political issues.

HSTY 2614 Australian Social History 1919-1998

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. R White/M Mackellar. **Session:** Semester 1, Summer. **Classes:** Two 1 hour lectures and one 1 hour tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2014. **Assessment:** one 3000 word essay and EITHER 1500 word tutorial paper OR a one and a half hour exam.

The twentieth century has seen major transformations in Australian society. From the aftermath of the Great War, the course follows the traumas of Depression and World War II, into periods of less dramatic but still profound change: the post-war boom through the Menzies

years, the threats posed by the Cold War, the Bomb and the discovery of the teenager, the impact of immigration, the 1960s, the Whitlam government, the Hawke-Keating years and life in the 1990s.

HSTY 2618 Mediterranean World in High Middle Ages

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Pry or. **Session:** Semester 1. **Classes:** Two hours of lectures and one hour of tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2018. **Assessment:** One 2500 word essay and one 2000 word take home exam.

This unit examines the apparent decline of Byzantium and Islam in the eleventh century and the rise of the Latin West to the end of the thirteenth. Foci include the Crusades, the Muslim response, the eclipse of Byzantium, rise of the maritime republics, the Normans in Sicily, the Reconquista in Spain, War of the Sicilian Vespers and rise of the Aragonese empire, trade and naval warfare, and the technology of communications, trade and naval warfare.

HSTY 2625 Culture and Society in Modern Britain

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr C Hilliard. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2025. **Assessment:** 500 word document exercise, 2000 word essay, take-home exam equivalent to a 2 hour formal exam.

This unit explores the social and cultural history of Britain from the end of the eighteenth century to the present. Themes include the relations between culture, class and gender; the interplay of 'culture' and 'society'; the impact of developments in print culture, film, radio and television; and changing ways of thinking about culture and modern life.

HSTY 2647 Renaissance Italy

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr N Eckstein. **Session:** Semester 1, Summer. **Classes:** 2 lee & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2047. **Assessment:** 4,000-5,000 words written work, 90% written work, 10% participation.

This unit investigates the social, political and economic life and urban development of Italy between the early fourteenth and mid-sixteenth centuries to analyse and explain the extraordinary flowering of social, artistic, intellectual and cultural life of the Renaissance. The course is built around a special study of Florence, emphasises developments in Venice and Rome, and traces 'Urbino, Ferrara and Vicenza'. Major themes of the course include: the political culture of Italian city-states and a critical appraisal of Italian class structure; the social context of art and architecture; artistic and political patronage; urbanism, neighbourhood and community life; domestic and family life; the importance of religion in people's lives, humanism and education; the gendering of urban space; the position of women; constructions of sexuality and deviance; dissidence and rebellion; attitudes to the poor; religious reform; the growth of the proto-princely state and the emergence of High Renaissance culture; Machiavelli's and Guicciardini's political and historiographical critiques of the Renaissance state. Throughout, students will be encouraged to make active use of a wide variety of textual and visual primary sources including the city itself, and will be invited to consider critically the concept of the Renaissance, and to question the modern image of the Renaissance and its impact on our own age.

HSTY 2650

*** No info available for 2006. ***

HSTY 2653 Reformation and Society

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Zlatar. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points of History or Ancient History, European History or Asian History and Culture. **Prohibitions:** HSTY2053. **Assessment:** 2500 word essay and 2 hour exam.

NB: Two 1 hour lectures and one 1 hour tutorial a week

The Reformation was not just a great upheaval in religious and theological matters, it also amounted to a veritable revolution in political, social and cultural history of Early Modern Europe. This course will pay attention to theological/religious and wider political/social aspects. It will start by examining the medieval roots and forerunners of the Reformation, will cover the Lutheran, Reformed, Radical and Catholic reformations as well as the Counter-Reformation, and will end by assessing the Reformation's place in history.

HSTY 2655 Race Relations and Australian Frontiers

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Kirsten McKenzie. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial a week. **Prerequisites:** 12 credit points in Junior History, Ancient History or Economic History. **Prohibitions:** HSTY2055. **Assessment:** 1000 word tutorial paper, 2500 word reserach paper, 1 hour exam.

Spanning the period from the eighteenth to the twentieth centuries, this course discusses race relations in Australia by exploring the concept of the frontier. Topics for discussion include Pacific exploration; interactions between settlers and Indigenous peoples; patterns of invasion, conflict and resistance; frontier economies and labour relations; intersections between gender, class and race; the emergence of White Australia; immigration policies; the frontier in popular culture and national mythology; and the implications of this past for contemporary Australia.

HSTY 2661

*** No info available for 2006. ***

HSTY 2663 Natives and Newcomers

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr M McDonnell. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2063. **Assessment:** one 3500 word essay, one 1 hour exam.

This unit will survey the diverse encounters and interactions that took place between Native Americans, Europeans and Africans in the Americas from 1492 to 1825. Taking a comparative approach, the course will focus on the ways in which different indigenous peoples responded to the invasions of Dutch, Spanish, Portuguese, French and English settlers and their African slaves, and we'll try to understand how native communities made sense of this new world, creating new and dynamic cultures and societies in the expanding Atlantic World.

HSTY 2665 Festivals and Faith

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr J.A. Smith. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Prohibitions:** HSTY2065. **Assessment:** 1000 word tutorial paper, 2000 word essay, 1500 word exam.

A lively and accessible survey of late medieval popular beliefs and religious practices. Topics include devotional practices, mysticism, festivals, saints' cults, pilgrimage, and heretical movements. The course locates religious practice in contexts such as medieval doctrine and liturgy, the development of affective piety, gender and the parish. Expressions of lay piety are to be found in a variety of primary sources including written texts, art works, and architecture, and students will have the opportunity of working with these remarkable resources.

HSTY 2666 American Revolutions

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr M McDonnell. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Prohibitions:** HSTY2066. **Assessment:** 2500 words, 2 hour exam.

This course 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.

HSTY 2670 New York, New York

6 credit points. B A, Dip Arts, UG Study Abroad Program. Stephen Robertson. **Session:** Semester 1. **Classes:** Two 1 hour lectures, one 1 hour tutorial. **Prerequisites:** 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture. **Assessment:** 1000 word tutorial paper, 3500 word research essay.

New York, New York is the city so great they named it twice. This course explores the history and representation of New York City, from its beginnings as a Dutch settlement down to 9/11, using the archetypal modern metropolis as a window on American history. We look at the people, images and events that defined the city, including such icons as the Five Points, Central Park, Harlem, the Empire State Building, Yankee Stadium and the Brooklyn Bridge.

HSTY 2691 Writing History

6 credit points. B A, Dip Arts, UG Study Abroad Program. G Sluga. **Session:** Semester 2. **Classes:** One 1 hour lecture and one 1 hour tutorial a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2901, ANHS2691. **Assessment:** 1500 word book or journal review; 1500 word reflective essay; 3000 word diary.

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

Writing History offers students an introduction to the way in which historians have constructed their stories of the past. Students become familiar with a wide range of approaches to history, historical debates, and with the processes of historical research and publication.

5. Undergraduate units of study

We discuss social theories (eg Marxism, feminism, structuralism, post-structuralism) and approaches to the writing of history.

HSTY 2805 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 2806 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 2809 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 2810 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 2811 History Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

HSTY 3601 History of Travel and Tourism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Mr R White. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3001. **Assessment:** 500 word proposal and 5500 word essay.

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

This unit attempts an overview of the history of travel, working around the historical development of a distinction between 'traveller' and 'tourist'. Our route follows travellers from ancient times through medieval pilgrimage and the Grand Tour to the development of mass tourism. It then examines the development of the contemporary industry in Australia, America, Europe and the relationship between tourism and imperialism in the 'Third World'. The course ends with considerations of postmodern travel experiences in Disneyland and cyberspace.

HSTY 3612 Sydney: An Autobiography

6 credit points. B A, Dip Arts, UG Study Abroad Program. Richard White. **Session:** Semester 1. **Classes:** One 2 hour seminar a week (+ 1 hour travel time in some weeks). **Prerequisites:** 24 Senior credit points in History. **Assessment:** 500 word research exercise, 5500 word research essay.

How does a city write its own history? This unit gives students the opportunity to research and write the history of the city they live in. Focusing on the period 1870-1940, which produced suburbs, railways, major churches and cultural institutions, beach culture, Harbour Bridge, Luna Park and high-rise buildings, the unit emphasises research skills. A number of seminars will be held off campus, in libraries, archives and on field trips (students should allow for travelling time in their timetables).

HSTY 3622

*** No info available for 2006. ***

HSTY 3641 Australia and the World 1850-1950

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Prof Neville Meaney. **Session:** Semester 1. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3041. **Assessment:** 4000 word essay and 2000 word seminar work.

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

This unit examines how Australia as a European-derived society located in the Asian-Pacific region fashioned a distinctive foreign policy tradition. Issues to be studied: 'community of culture' and the 'community of interest'; 'Monroe Doctrine for the South Pacific'; 'White Australia' Policy; making of the Commonwealth; fear of Japan and the 'Yellow Peril'; Anglo-Saxon protectors; World War I and Peacemaking; 1920s international crisis; Britain's 'Great Betrayal' and World War II; coming of the Cold War.

HSTY 3642 Australia and the World 1950-Present

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Prof Neville Meaney. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3042. **Assessment:** 4000 word essay and 2000 words seminar work.

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

This unit carries forward the themes of HSTY3641 to the present. Issues to be studied: liberal internationalism and the United Nations; coming of the Cold War to Asia; Asian national independence movements; Indonesia, west New Guinea and Konfrontasi; ANZUS alliance and Vietnam War; retreat of Britain into Europe and repub-

licanism; multiculturalism and the end of 'White Australia'; 'enmeshment' with East Asia; East Timor and Iraq; 'arc of stability'.

HSTY 3643 Paris: Place and People

6 credit points. B A, Dip Arts, UG Study Abroad Program. R Alldrich. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2043. **Assessment:** One 4000 word essay, oral presentation equivalent to 2,000 words.

This seminar examines Paris, both places and people, and the symbiotic relationship between the city and its population. Social and political developments will be analysed with special attention given to the revolutionary tradition, urban renewal in the nineteenth century, the role of Paris in Europe and the world, and such contemporary issues as the integration of migrants. Creative literature, architecture and visual imagery will also be used to investigate the myth and reality of la vie parisienne.

HSTY 3649

*** No info available for 2006. ***

HSTY 3650

*** No info available for 2006. ***

HSTY 3651 Writing Place: Land & Memory in History

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hour seminar per week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3050. **Assessment:** 4500 word research essay and 1500 word seminar paper.

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

What is sense of place?

This seminar looks at the ways a history of place is inscribed into our imaginations. It asks how human society in the past has related to place and space. It examines contested places, places that are sacred, places that speak to an individual's identity and to the national imagination. Seminars will cover the relationship between the wilderness and the city, between rural places and urban places and between the land and the sea.

HSTY 3674

*** No info available for 2006. ***

HSTY 3681 Ways of Seeing the Italian Renaissance 1

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr N. Eckstein. **Session:** Semester 1. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3081. **Assessment:** 750 word topic proposal and 5250 word research essay.

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

This unit analyses recent historiographical approaches to the study of the Italian Renaissance. Beyond acquiring a detailed knowledge of that society, we will actively apply the various approaches studied in a series of special 'workshop' seminars.

HSTY 3683 Race, Empire and Bondage

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr K McKenzie. **Session:** Semester 1. **Classes:** One 2 hour seminar per week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3083. **Assessment:** 1000 word seminar paper, 500 word proposal, 4500 word research paper.

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

Using case studies of Australia, South Africa and the Caribbean, this course takes a transitional approach to the history of unfree labour in the British Empire from the late eighteenth to the middle of the nineteenth century. We will also pursue the related debates over race, class, gender and sexuality convulsing the British Empire (including India) more generally during this period. These themes will be analysed in the light of the historiographical developments of the new cultural history of empire.

HSTY 3684 Culture of Empire

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr K McKenzie. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 senior credit points of History. **Prohibitions:** HSTY3084. **Assessment:** 1000 word seminar paper, 500 word proposal, 4500 word research paper.

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

Informed by the theoretical frameworks of the new cultural history of the empire, this course on British imperialism begins with a series of upheavals in the middle of the nineteenth century. We will examine the 'Indian Mutiny', the Morant Bay Rebellion in Jamaica, and the accompanying re-evaluation of the social boundaries of race, gender and class which followed. We will also explore the cultural heritage of British imperialism into the twentieth century through themes such as popular entertainment, memory and food.

HSTY 3685 The Celtic World

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr L Olson. **Session:** Semester 1. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points in History. **Prohibitions:** HSTY3085. **Assessment:** 4000 word seminar paper (70%), 2000 word weekly journal (20%), participation (10%).
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

The Celtic Europe of late prehistory was conquered and modified by Romans, Germans and Vikings until only the peripheral areas of Scotland, Wales, Ireland, Cornwall and Brittany retained a substantial Celtic character. The unit will examine the Celtic world from the middle of the first millennium B.C. to the twelfth century A.D., trying to define what is characteristically Celtic in art, literature, social structure and political custom, comparing the Celts with their conquerors and neighbours and with each other.

HSTY 3696 Daughters of Eve

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr J.A. Smith. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3096. **Assessment:** 500 word research proposal, 5500 word research essay.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

Saints and prostitutes, mothers and nuns, mystics and alewives - all women in medieval Europe were defined and constrained on the basis of their bodies and their implicit connection with the fall of Eve. Cultural understandings of women's bodies sprang from conflicting traditional constructions of female sexuality as both necessary and dangerous, and of dualist ideas of women as private, emotional and weak in relation to men as public, intellectual and caring.

HSTY 3698 Class Struggles in the Atlantic World

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr M McDonnell. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 senior credit points of History. **Prohibitions:** HSTY3098. **Assessment:** 500 word research statement, 5500 word essay.

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

This unit will take a broad comparative approach to the history of class struggles in the early modern Atlantic World. We'll focus on the experiences of the working classes - sailors and labourers, slaves and servants, witches and rebels - in the Americas, Europe and Africa as they helped create, and make sense of, their own New Worlds. We'll also try to understand the intellectual developments that have reshaped approaches to the study of both class and the Atlantic World in recent years.

HSTY 3699 Public & Private Life: Britain 1707-1901

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr C McCreery. **Session:** Semester 2. **Classes:** One 2 hour seminar a week. **Prerequisites:** 24 Senior credit points of History. **Prohibitions:** HSTY3099. **Assessment:** 1000 word precis, 5000 word essay.

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

As Britain developed into a political, economic and cultural world power, its people produced a rich body of printed and visual commentary (newspapers, diaries, satirical prints and paintings etc) on these developments. We use this material and the work of historians to explore contemporary attitudes to the following issues: the changing relationship of the monarch vis-à-vis Parliament, the crisis of the aristocracy, the consequences of urbanisation, men and women's participation in public and private life and press freedom and censorship.

HSTY 4011 History Honours A

12 credit points. B A (Hons), Dip Arts(Hons). Convenor: TBA. **Session:** Semester 1, Semester 2. **Classes:** two 2 hr seminars/week semester 1; one 2hr seminar/week semester 2. **Prerequisites:** Credit average in 48 Senior credit points of History, including HSTY2901 and HSTY2902, and 8 credit points of study at 3000 level. **Assessment:** All of the major components of the Honours year will be assessed.
NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

HSTY 4012 History Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** See under HSTY4011. **Corequisites:** HSTY4011.
 See under HSTY4011

HSTY 4013 History Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** See under HSTY4011. **Corequisites:** HSTY4012.
 See under HSTY4011

HSTY 4014 History Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** See under HSTY4011. **Corequisites:** HSTY4013.
 See under HSTY4011

Indonesian and Malay Studies**INMS 1101 Indonesian 1A**

6 credit points. B A, B Int S, Dip Lang Stud, M Com, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 4 hrs/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:** Subject to revision: Assignments (20%), written tests (40%), oral tests (30%), class participation (10%).
NB: Native or near native speakers of Indonesian or Malay must consult the department before enrolling.

This unit offers an introduction to the Indonesian language. It is designed to equip students with basic communication and reading skills and covers pronunciation, vocabulary acquisition, word formation, and sentence structure.

Textbooks

John U. Wolff et al, Beginning Indonesian through self-instruction (Cornell University, N.Y.) [Latest Edition] Books 1 and 2.

INMS 1102 Indonesian 1B

6 credit points. B A, B Int S, Dip Lang Stud, M Com, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS 1101. **Prohibitions:** INMS 1301, INMS 1302. **Assessment:** Subject to revision: Assignments (20%), written tests (40%), oral tests (30%), class participation (10%).

This is a continuing unit designed to consolidate and extend skills acquired in INMS 1101 and prepare students for further language study. Communication and reading skills will continue to be developed and more complex morphological and grammatical structures will be studied.

Textbooks

As for INMS 1101

INMS 2601 Indonesian 2A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** INMS 1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission. **Prohibitions:** 8 credit point units of study numbered INMS 2101 or above.. **Assessment:** Subject to revision: Written assignments (40%); written tests (40%); oral tests (20%).

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

John U. Wolff et al., Beginning Indonesian through self-instruction (Cornell University, N. Y.) [Latest edition] Books 2 and 3.

INMS 2602 Indonesian 2B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS 2601 or INMS 2101. **Prohibitions:** 8 credit point units of study numbered INMS 2102 or above.. **Assessment:** Subject to revision: Written assignments (40%); written tests (40%); oral tests (20%).

This unit consolidates and develops the skills acquired in INMS 2601, 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.

INMS 2650 Indonesian In Country Study A

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

Textbooks

John U. Wolff et al., Beginning Indonesian through self-instruction (Cornell University, N. Y.) [Latest edition] Books 2 and 3.

5. Undergraduate units of study

INMS 2651 Indonesian In Country Study B

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2652 Indonesian In Country Study C

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2653 Indonesian In Country Study D

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2654 Indonesian In Country Study E

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2655 Indonesian In Country Study F

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2656 Indonesian In Country Study G

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2657 Indonesian In Country Study H

6 credit points. B A, Dip Lang Stud. TBA. **Session:** Semester 1, Semester 2. **Classes:** As prescribed by the host institution. **Prerequisites:** INMS 1102 or INMS 2101 or INMS 2601.

NB: 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.

INMS 2805 Indonesian Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INMS 2806 Indonesian Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INMS 2807 Indonesian Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INMS 2808 Indonesian Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INMS 3601 Indonesian 3A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 4 hrs/week. **Prerequisites:** INMS 2602 or INMS 2102 or department permission. **Prohibitions:** 8 credit point units of study numbered INMS3101 or above.. **Assessment:** Subject to revision: Written assignments (40%); written tests (40%); oral tests (20%).

This unit aims to extend skills in speaking, listening, reading and writing, using material from a variety of modern and contemporary sources. Extensive use will be made of examples of twentieth century Indonesian literature and film.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3602 Indonesian 3B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS 3601 or INMS 3101. **Prohibitions:** 8 credit points of units of study numbered INMS 3102 or above.. **Assessment:** Subject to revision: Written assignments (40%); written tests (40%); oral tests (20%).

This unit builds on the language acquisition activities covered in INMS 3601. The emphasis will be on major social and political issues in contemporary Indonesia., making use of a variety of written documents and audio-visual materials from contemporary Indonesia.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3603 Indonesian Advanced Studies A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 3 hrs/week. **Prerequisites:** INMS 3602 or INMS 3102 or department permission. **Prohibitions:** INMS 3301, INMS 3302. **Assessment:** Subject to revision: Written assignments 40%; written tests 30%; oral tests 30%.

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

This unit emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary material will be used and topics may be drawn from areas such

as cultural change, gender issues, environmental politics, and religion.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3604 Indonesian Advanced Studies B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 3 hrs/week. **Prerequisites:** INMS 3602 or INMS 3102 or department permission. **Prohibitions:** INMS 3302. **Assessment:** Subject to revision: Written assignments 40%; written tests 30%; oral tests 30%.

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

The unit emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary material will be used, and topics may be drawn from areas such as political change, economic development, Australia-Indonesia relations, media and popular culture.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 4011 Indonesian and Malay Studies Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). TBA. **Session:** Semester 1, Semester 2. **Classes:** 2 hrs language/week for the full year and 2 hrs seminar/week in semester 1. **Prerequisites:** INMS 3102 or INMS 3302 and INMS 3902, all at Credit level. **Assessment:** Assignments and Essays. *NB: Department permission required for enrolment.*

Indonesian Honours Language

This unit is designed to develop advanced reading, writing and speaking skills in Indonesian. Students will be given an opportunity to relate part of their work in this unit to their thesis project.

Indonesia Research Seminar

This seminar will address contemporary approaches to the study of modern Indonesia, through an examination of significant recent publications in the fields of socio-political and cultural studies. Students will be given an opportunity to research particular areas of interest related to their thesis project.

Indonesian Honours Thesis

The thesis will be based on independent research under the supervision of a member of staff and will be evaluated according to the level of achievement in the following areas: (1) overall command of the secondary literature in English and Indonesian and demonstration of the ability to use this material to construct an original analysis of primary material in Indonesian; (2) command and analytic use made of a relevant corpus of primary Indonesian language material; (3) command of a particular disciplinary or interdisciplinary approach to the topic; (4) overall quality and originality of the essay.

INMS 4012 Indonesian and Malay Studies Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). TBA. **Session:** Semester 2, Semester 1. **Corequisites:** INMS4011.

INMS 4013 Indonesian and Malay Studies Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). TBA. **Session:** Semester 1, Semester 2. **Corequisites:** INMS4012.

INMS 4014 Indonesian and Malay Studies Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). TBA. **Session:** Semester 1, Semester 2. **Corequisites:** INMS4013.

International and Comparative Literary Studies

ICLS 2621 Love in Different Languages

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** At least 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:** Participation (10%); presentation (10%); 2 essays of 2500 words each (40% each).

What is the meaning of "love"? Is it the same for different individuals and cultures at different periods? How does it relate to the profound crisis of meaning in contemporary society? What is its relationship to desire, language and death? Why do the Greeks have three words for love and the English one? This unit of study explores the theme of love in a variety of national literatures including English, Greek, French and Italian.

ICLS 2622 Great Books of the Twentieth Century

6 credit points. B A, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** At least 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:** Participation (10%); presentation (10%); 2 essays of 2500 words each (40% each).

What are the great works of literature of the 20th century? How does history leave its mark on them? This unit introduces some exemplary literary works translated into English from Asian and European languages. It studies them in the context of world history, national literatures and different narrative traditions.

Italian Studies

ITLN 1611 Introductory Italian 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School. Drs Bartoloni, Mauerci and Rubino. **Session:** Summer, Semester 1. **Classes:** 4 hours/week: 3 language tutorials and 1 lecture. **Prohibitions:** ITLN 1201; ITLN 1301; ITLN 1621; ITLN 1631; ITLN 1101.. **Assessment:** Class work, assignments, tests, final exam (2 hours).

NB: 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, Prego (McGraw-Hill) 6th edition

Other texts available from Department

Recommended reference books

De R me, Soluzioni! A Practical Guide to Italian Grammar (Arnold)

Adorni and Primorac, English Grammar for Students of Italian (Olivia and Hill)

Course reader (in special reserve)

Duggan, A Concise History of Italy (Cambridge)

Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin)

[latest edition]

Recommended dictionaries

Collins Italian Concise Dictionary (Collins)

Collins Sansoni Italian Dictionary (Collins)

ITLN 1612 Introductory Italian 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Drs Mauerci and Rubino, Prof. Newbigin. **Session:** Semester 2. **Classes:** 4 hours/week comprising of 3 language tutorials and 1 reading seminar. **Prerequisites:** ITLN 1611; ITLN 1101 or equivalent. **Prohibitions:** ITLN 1202; ITLN 1302; ITLN 1632; ITLN 1102.. **Assessment:** Class work, assignments, tests, final exam (2 hours).

The language component of this Unit builds further on the structures acquired in ITLN 1611. 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, Prego (McGraw-Hill) 6th edition

Other texts available from Department

Course reader available from Copy Centre

Recommended reference books

De R me, Soluzioni! A Practical Guide to Italian Grammar (Arnold)

Duggan, A Concise History of Italy (Cambridge)

Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin)

[latest edition]

ITLN 1621 Junior Intermediate Italian 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Bartoloni, Dr Rubino. **Session:** Semester 1. **Classes:** 4 hours/week comprising of 3 language tutorials, and 1 lecture per week. **Prerequisites:** HSC Italian (Beginners or 2UZ) or equivalent language knowledge. **Prohibitions:** ITLN 1101; ITLN 1301; ITLN 1611; ITLN 1631 or ITLN 1201.. **Assessment:** Class work, assignments, tests.

This unit consolidates the main structures of Italian grammar and provides an introduction into contemporary Italian history, society and literature. All four language skills are developed, and complex structures introduced. Reading, writing and close analysis of appropriate texts are particular features of the language curriculum. The cultural component consists of a series of lectures, Introduction to Italian Studies, which offer insights into some of the salient issues of Italian history. Students successfully completing ITLN 1621 proceed to ITLN 1632.

Textbooks

Course pack available from Copy Centre.

Recommended reference books:

Course reader (in special reserve)

Duggan, A Concise History of Italy (Cambridge)

Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin)

[latest edition]

ITLN 1631 Junior Advanced Italian 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Mauerci, Dr Bartoloni. **Session:** Semester 1. **Classes:** 4 hours/week: 3 language tutorials and 1 reading seminar. **Prerequisites:** HSC Italian (Continuers, Extension, 2U, 3U) or equivalent language knowledge. **Prohibitions:** ITLN 1201; ITLN 1101; ITLN 1621; ITLN 1611; ITLN 1301.. **Assessment:** Class work, assignments, tests, essay (2000 words). ITLN 1631 revises and consolidates the main structures of Italian grammar, develops the four language abilities (listening, speaking, reading and writing) and provides an overview of contemporary Italian history and society. The language component focuses on the development of skills in reading and writing. The cultural component consists of a reading seminar which deals with a range of twentieth century literary texts.

Textbooks

Course pack available from Copy Centre.

5. Undergraduate units of study

ITLN 1632 Junior Advanced Italian 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Mauceri, DrRubino. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** ITLN 1201, ITLN 1621 or ITLN 1631. **Prohibitions:** ITLN 1102; ITLN 1302; ITLN 1402. **Assessment:** Class work, assignments, tests (equivalent to 2500 words), essay (equivalent to 2000 words).

The language component of ITLN 1632 builds on the competence acquired in ITLN 1621 and ITLN 1631. The cultural component, Modern Italy, explores aspects of twentieth-century Italian literary and cultural movements and figures through a guided reading and analysis of relevant texts in a weekly reading seminar.

Textbooks

Coursepack available from Copy Centre

ITLN 1801 Italian Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ITLN 1802 Italian Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ITLN 2611 Intermediate Italian 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Marmini. **Session:** Semester 1. **Classes:** 3 hours/week: 2 language tutorials and 1 oral/aural class. **Prerequisites:** ITLN 1612; ITLN 1102 or equivalent language knowledge. **Prohibitions:** ITLN 2631; ITLN 2101; ITLN 2201; ITLN 2301. **Assessment:** Two language tests (1000 words each), two aural/oral tests (500 words each), oral presentation(s) (500 words), and written assignments (equivalent to 1000 words).

This unit of study 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

Coursepack available from Copy Centre

Recommended dictionary

Collins Sansoni Italian Dictionary (Collins)

ITLN 2612 Intermediate Italian 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Marmini. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** ITLN 2611; ITLN 2101 or equivalent language knowledge. **Prohibitions:** ITLN 2632; ITLN 2202; ITLN 2302. **Assessment:** Two language tests (1000 words each), two aural/oral tests (500 words each), oral presentation(s) (500 words each), written assignments (equivalent to 1000 words).

This unit of study 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 Copy Centre

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 2631 Senior Italian 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Zanardi. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** ITLN 1632; ITLN 1202; ITLN 1302 or equivalent language knowledge. **Prohibitions:** ITLN 2611; ITLN 2201; ITLN 2101; ITLN 2301. **Assessment:** Two language tests (1000 words each), two aural/oral tests (250 words each), oral presentation(s) (500 words), online tasks (500 words), written assignments (1000 words).

This unit of study 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

To be advised

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

ITLN 2632 Senior Italian 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Zanardi. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** ITLN 2631; ITLN 2201 or ITLN 2301. **Prohibitions:** ITLN 2612; ITLN 2202 or ITLN 2302. **Assessment:** Two language tests (1000 words each), two aural/oral tests (250 words each), oral presentation(s) (500 words), online tasks (500 words), written assignments (1000 words).

This unit of study builds on the competence acquired in ITLN 2631 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

To be advised

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

ITLN 2811 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

ITLN 2812 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

ITLN 2813 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ITLN 2814 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ITLN 2815 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

ITLN 2816 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

ITLN 2817 Italian Exchange

6 credit points. B A, Dip Lang Stud. Dott. Zanardi. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

ITLN 3611 Senior Italian 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Marmini. **Session:** Semester 1. **Classes:** 2 hours and 1 hour online discussion per week. **Prerequisites:** ITLN 2612; ITLN 2202 or equivalent language knowledge. **Prohibitions:** ITLN 3631; ITLN 3201 or ITLN 3301. **Assessment:** Two language tests (1000 words each), oral presentation(s) (500 words), online tasks (1000 words), written assignments (1000 words).

This unit of study 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. It presents examples of language for specific purposes.

Textbooks

Texts available from department

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 3612 Senior Italian 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Marmini. **Session:** Semester 2. **Classes:** 2 hours and 1 hour online discussion per week. **Prerequisites:** ITLN 3611; ITLN 3201 or equivalent language knowledge. **Prohibitions:** ITLN 3202 or ITLN 3302. **Assessment:** Two language tests (1000 words each), oral presentation(s) (500 words), online tasks (1000 words), written assignments (1000 words).

This unit of study 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. It activates use of language for specific purposes.

Textbooks

Texts available from department.

Recommended dictionary. Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 3631 Senior Italian 7

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Zanardi. **Session:** Semester 1. **Classes:** 2 hours and 1 hour online discussion per week. **Prerequisites:** ITLN 2632; ITLN 2302 or equivalent language knowledge. **Prohibitions:** ITLN 3611; ITLN 3301; ITLN 3201. **Assessment:** Two language tests (1000 words each), oral presentation(s) (500 words), online tasks (1000 words), written assignments (1000 words).

This unit of study furthers competence in all aspects of the language, with a particular focus on the discursive 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. It presents examples of language for specific purposes.

Textbooks

Texts available from department

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 3671 Dante: Inferno

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** ITLN 2612; ITLN 3612, ITLN 2202 or equivalent language knowledge. **Prohibitions:** ITLN 3701. **Assessment:** Class presentation and paper (1000 words), two class tests (2000 words), one research paper (3000 words).

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

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

ITLN 3672 Dante: Purgatorio

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 2. **Classes:** 2 hours/week. **Assumed Knowledge:** Adequate language level. **Prerequisites:** ITLN 3671 or ITLN 3701. **Prohibitions:** ITLN 3702. **Assessment:** Class presentation and paper (1000 words), two class tests (2000 words), one research paper (3000 words).

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

A study of Dante's Divine Comedy: Purgatorio and associated aspects of the Middle Ages.

Textbooks

Dante's Textbooks:

Dante, La Divina Commedia, Purgatorio, ed. N. Sapegno (La Nuova Italia)

ITLN 3675 Renaissance Florence

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Professor Newbigin. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** ITLN 1632 (not waived for cross listing), ITLN 1202; ITLN 1302; ITLN 2612; ITLN 2202 or equivalent language knowledge. **Prohibitions:** ITLN 3706. **Assessment:** Class presentation (equivalent to 1500 words), class tests (1500 words), essay (3000 words).

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

An introduction to Florentine literary culture through close readings of selected literary texts and extended reading of current historical and critical writing.

Textbooks

Coursepack from Copy Centre

ITLN 3679 Filming Fiction: The Italian Experience

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Bartoloni. **Session:** Semester 1. **Classes:** 2 hours/week: 1 lecture and 1 tutorial. **Prerequisites:** ITLN 1612; ITLN 1632; ITLN 1102; ITLN 1202; ITLN 1302 or equivalent knowledge. **Assessment:** Class work, essay.

An examination of the relationship between Italian cinema and fiction. Do they speak a common language? Do they employ comparable techniques? Who copies whom? This unit investigates these and other questions by analysing the adaptation of selected contemporary Italian novels into film.

Textbooks

Buzzati, Il deserto dei Tartari (Mondadori)

Moravia, Il conformista (Bompiani)

ITLN 3681 Representations of Southern Italy

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Mauceri. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** ITLN 1632; ITLN 2612; ITLN 1202; ITLN 1302 or equivalent language knowledge. **Prohibitions:** ITLN 3761. **Assessment:** Class presentation (equivalent to 1500 words), class test (equivalent to 2000 words), final essay (2500 words).

In this unit (conducted in Italian) we will analyse and discuss novels by Sicilian writers and the film 'I cento passi' by Giordana as a window to understand Sicilian society and the Mafia. We aim to come to grips with this phenomenon by studying literary texts and fiction films.

Textbooks

Sciascia, Il giorno della civetta (Adelphi)

Tomasi di Lampedusa, Il Gattopardo (Feltrinelli UE)

Giordana, I cento passi (Feltrinelli)

ITLN 3682 Fiction of Youth

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Mauceri. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** ITLN 1632; ITLN 2612; ITLN 1202; ITLN 1302; ITLN 2202 or equivalent language knowledge. **Prohibitions:** ITLN 3763. **Assessment:** Class presentation (equivalent to 1500 words), class test (equivalent to 2000 words), final essay (2500 words).

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

This unit (conducted in Italian) examines a range of Italian novels from the second half of the twentieth century whose authors or protagonists are young. We will conduct a literary analysis of the texts, considering aspects such as genre, viewpoint and style. Furthermore, we will study specific topics related to the themes of youth, paying attention to the historical and social background of the text.

Textbooks

Moravia, A., Agostino, Bompiani, 2000

Ginzburg, N., Caro Michele, Einaudi, 1973

Culicchia, G., Tutti giù per terra, Garzanti, 1994

ITLN 3684 Italian Sociolinguistics

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Rubino. **Session:** Semester 1. **Classes:** 2 hours face to face, 1 hour online discussion per week. **Prerequisites:** ITLN 1202; ITLN 1302; ITLN 1632; ITLN 2612; ITLN 2202 or equivalent language knowledge. **Prohibitions:** ITLN 3752. **Assessment:** Presentation (1000 words), class test (1000 words), final assignment (2500 words).

NB: 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

Coursepack from Copy Centre

ITLN 3686 Italian Language Acquisition

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dott. Marmini, Dott. Zanardi. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** ITLN 1632; ITLN 2612; ITLN 1302; ITLN 2202 or equivalent language knowledge. **Prohibitions:** ITLN 3753. **Assessment:** One mid-term essay (1500 words), one final essay (2000 words including interview and transcription), one oral presentation (1500 words equivalent), class discussion and activities (1000 words equivalent).

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

This unit of study consists of the presentation of studies in Italian Language Acquisition within the framework of current theories of Second Language Acquisition. It is held entirely in Italian and it involves reading and reporting on research papers on linguistics in Italian as well as discussing related issues. Students will be encouraged to reflect upon their experience as second language learners and express their views on acquisition.

ITLN 3687 Focus on Writing in Italian

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Rubino. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** ITLN 3631; ITLN 3612; ITLN 3301; ITLN 3202; ITLN 3302 or equivalent language knowledge. **Prohibitions:** ITLN 3611; ITLN 3631 or ITLN 3401.. **Assessment:** Final exam (2 hours), written assignments and weekly homework (equivalent to 4000 words).

This unit of study 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

Texts available from department.

ITLN 3688 Advanced Italian: Translation

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** ITLN 3611; ITLN 3612; ITLN 3302; ITLN 3202; ITLN 3401; ITLN 3687. **Prohibitions:** ITLN 3402. **Assessment:** Research task (1000 words), ten weekly tasks (2000 words), presentation (1000 words), one 2 hour exam (2000 words).

Translating and interpreting from and into Italian, exploring modes, techniques and genres.

Textbooks

Texts available from department.

ITLN 3689 Italian Today: From Print to Cyberspace

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Rubino. **Session:** Semester 2. **Prerequisites:** ITLN 1632; ITLN 1302; ITLN 1202; ITLN 2612 or ITLN 2202. **Assessment:** One presentation - research paper (1000 words), one class test (1000 words), one final essay (2500 words).

This unit is concerned with the way the Italian language varies according to the medium used, focussing on texts that are written, spoken or that use cyberspace (chatlines, email, sms). Students will learn about different approaches to textual analysis and will explore the linguistic features of a range of texts in each medium.

ITLN 3692 Italian Research Methodologies

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Professor Newbigin. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** Credit average in previous Italian units and a minimum of 12 junior credit points in Italian. **Prohibitions:** ITLN 2902. **Assessment:** Written work: 4 x 1000 words, and 1 x 2000 words.

NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This unit introduces intending honours students to the research skills and methodologies of the humanities and social sciences and their specific applications in the broad range of disciplines that make up the field of Italian studies.

Textbooks

Gibaldi, MLA Handbook for Writers of Research Papers, 6th edition, 2003 (Modern Language Association of America)

ITLN 4011 Italian Honours A

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Dr Rubino, Professor Newbigin. **Session:** Semester 1, Semester 2. **Prerequisites:** Students must have qualified for the award of the Pass degree with a Major in Italian (36 Senior credit points). They will have completed an additional 12 credit points, normally consisting of 2 special entry units (ITLN 3691 and ITLN 3692). Intending Honours students should attain a Credit average result in senior Italian units of study taken as a part of their Major. **Assessment:** Class work, assignments, essays.

NB: Department permission required for enrolment.

The Italian IV Honours program consists of up to six semester-length units of study, chosen in consultation with the coordinators, and an extended essay. The extended essay, normally 10,000-12,000 words in length, is on a topic chosen in consultation with the coordinators and a designated supervisor. Students meet regularly with their designated supervisor.

Italian IV students are required to attend the Departmental Research Seminars and to present a seminar paper on their extended essay topic.

5. Undergraduate units of study

ITLN 4012 Italian Honours B

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ITLN4011. Refer to ITLN 4011

ITLN 4013 Italian Honours C

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ITLN4012. Refer to ITLN 4011

ITLN 4014 Italian Honours D

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** ITLN4013. Refer to ITLN 4011

Japanese Studies

JPNS 1611 Japanese 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School. **Session:** Summer, Semester 1, Winter. **Classes:** 4 hours per week. **Prohibitions:** JPNS 1111; HSC Japanese Beginners 65% or above; HSC Japanese Continuers or HSC Japanese Extension. **Assessment:** Continuous class assessment (i.e. weekly quizzes, speaking, writing, listening tests) equivalent to 2000 words, one 2 hour semester exam equivalent to 2000 words.

This beginners unit of study 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. Students are urged to take ASNS 1001 Modern Asian History and Cultures 1.

Textbooks

To be advised in the orientation period.

JPNS 1612 Japanese 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School. **Session:** Summer, Semester 2. **Classes:** 4 hours per week. **Prerequisites:** JPNS 1111 or JPNS 1611. **Prohibitions:** JPNS1121. **Assessment:** Continuous class assessment (i.e. weekly quizzes, speaking, writing, listening tests) equivalent to 2000 words, one 2 hour semester exam equivalent to 2000 words.

This unit of study 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.

JPNS 1801 Japanese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

JPNS 1802 Japanese Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

JPNS 2611 Japanese 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 65% or more in HSC Japanese Beginners or less than 70% in Japanese Continuers; or JPNS 1121 (from 2007 JPNS 1612). **Prohibitions:** JPNS 1114; JPNS 2212.. **Assessment:** Continuous assessment, including class quizzes, tests and written assignments (total equivalent to 3000 words) and one 1 hour semester exam.

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.

JPNS 2612 Japanese 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** JPNS 1114 or JPNS 2212 or JPNS 2611. **Prohibitions:** JPNS 1124; JPNS 2222.. **Assessment:** Continuous assessment including class quizzes, tests and written assignments (total equivalent to 3000 words) and one 1 hour semester exam.

This unit of study 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.

JPNS 2621 Japanese 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **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 JPNS 1124 or JPNS 2222 (from 2007, HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department or JPNS 1612). **Prohibitions:** JPNS 2213.. **Assessment:** Continuous assessment (i.e. weekly quizzes equivalent to 200 words), tests (i.e. speaking, writing, listening and reading comprehension tests) equivalent to 2300 words, and one 2 hour exam equivalent to 2000 words.

This unit of study aims to develop students' speaking, writing and reading skills for the intermediate level of Japanese, so that they are able to communicate with Japanese people 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.

JPNS 2622 Japanese 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** JPNS 2621 or JPNS 2213. **Prohibitions:** JPNS 2223.. **Assessment:** Continuous assessment (i.e., weekly quizzes) equivalent to 200 words, tests (i.e. speaking, writing, listening and reading comprehension tests) equivalent to 2300 words, and one 2 hour exam equivalent to 2000 words.

This unit of study aims to consolidate and extend intermediate level linguistics skills, through the acquisition of conversational strategies such as notions of apologies, 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.

JPNS 2660 Introduction to Japan

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** JPNS 1121 (from 2007 JPNS 1612). **Assessment:** Short essays equivalent to 2000 words, three tests equivalent to 3000 words, continuous assessment consisting of five weekly tasks each equivalent to 200 words (totalling 1000 words).

This unit of study 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. The unit will be taught in three modules. Aspects to be covered will include: social structures and behaviour; contemporary issues and their historical background; language use in Japanese society; contemporary literary and cultural trends.

JPNS 2670 Japanese Literature

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. Claremont. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** JPNS 1124 or JPNS 2222 (from 2007, JPNS 2612). **Prohibitions:** JPNS 3116; JPNS 3621; JPNS 2301; JPNS 3631; JPNS 3301.. **Assessment:** One 2 hour final exam equivalent to 2000 words, one 1 hour mid-semester exam equivalent to 1000 words, one 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.

JPNS 2672 Japanese Culture

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Yasumoto. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** JPNS 1124 or JPNS 2222 (from 2007 JPNS 2612). **Prohibitions:** JPNS 3106; JPNS 2301; JPNS 3621; JPNS 3301; JPNS 3631.. **Assessment:** Continuous assessment (i.e. weekly quizzes, discussion summaries) equivalent to 1000 words, one research paper equivalent to 1000 words, one presentation equivalent to 2000 words and one 2 hour semester exam equivalent to 2000 words.

This unit of study aims to help students understand and broaden their knowledge of various aspects of Japanese society and culture through reading and discussions. The unit also provides students with opportunities to pursue individual interests and develop analytical skills. Students are expected to do research in the library or to access information on the Internet about the topic which will be covered in class each week.

JPNS 2811 Japanese Exchange 3

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

JPNS 2812 Japanese Exchange 4

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

JPNS 2813 Japanese Exchange 5

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

JPNS 2814 Japanese Exchange 6

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

JPNS 2815 Japanese Exchange 7

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

JPNS 3621 Japanese 7

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** JPNS 1123; JPNS 2223 (from 2007 JPNS 2622). **Prohibitions:** JPNS 2301.. **Assessment:** Two written class tests equivalent to 800 words, three oral presentations equivalent to 900 words, five kanji character quizzes equivalent to 300 words, class preparation and participation equivalent to 500 words, one 2 hour semester exam equivalent to 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.

JPNS 3622 Japanese 8

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** JPNS 3621 or JPNS 2301. **Prohibitions:** JPNS 2302.. **Assessment:** Two written class tests equivalent to 800 words, three oral presentations equivalent to 900 words, five kanji character quizzes equivalent to 300 words, class preparation and participation equivalent to 500 words, one 2 hour final exam equivalent to 2000 words.

This is a continuing unit designed to consolidate and extend skills acquired in JPNS 3621. 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.

JPNS 3631 Japanese 9

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** JPN 2302 (from 2007 JPNS 3622). **Prohibitions:** JPNS 3301.. **Assessment:** Continuous class assessment (i.e. essay writing, mid-term exam, group and individual presentations) equivalent to 4000 words, one 2 hour semester exam equivalent to 2000 words.

This unit aims at the further development of communication 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.

JPNS 3632 Japanese 10

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** JPNS 3631 or JPNS 3301. **Prohibitions:** JPNS 3302.. **Assessment:** One 1 hour mid-semester exam equivalent to 1000 words, one presentation equivalent to 1500 words, essay writing equivalent to 1000 words, continuous assessment equivalent to 500 words and one 2 hour semester exam equivalent to 2000 words.

This unit of study 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.

JPNS 3670 Topics on Modern Japan

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** JPNS 1123 or JPNS 2223 (from 2007 JPNS 2622). **Prohibitions:** JPNS 2901; JPNS 2902.. **Assessment:** Continuous class assessment including group work with writing tasks equivalent to 1000 words, oral presentation tasks equivalent to 1000 words, one 2000 word essay, one 2 hour semester exam.

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

This unit aims to introduce students to some fundamental concepts in one of the following areas of Japanese studies: linguistics, history and contemporary society, or literature. Students will have oppor-

tunities to conduct limited research using Japanese language materials appropriate to their level of Japanese language proficiency. This unit also aims to help students to develop critical, analytical thinking and essay writing skills. Native speakers of Japanese may enrol in this unit of study.

JPNS 3671 Japanese Linguistics

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Iwashita. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** JPNS 1123 or JPNS 2223 (from 2007 JPNS 2622). **Prohibitions:** JPNS 2308.. **Assessment:** Written class test equivalent to 1000 words, short research assignment 1000 words, two group assignments equivalent to 1000 words, five vocabulary quizzes equivalent to 250 words, class preparation and participation equivalent to 750 words, and one 2 hour semester exam equivalent to 2000 words.

This unit aims to introduce students to a number of different kinds of Japanese and English texts which deal with topics in Japanese linguistics, and to help students improve their ability to analyse complex sentences in Japanese. Students will learn some strategies for conducting original research on the Japanese language. Native speakers of Japanese may enrol in this unit of study.

JPNS 3673 Japanese Society

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Shao. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** JPNS 1123 or JPNS 2223 (from 2007 JPNS 2622). **Prohibitions:** JPNS 3314.. **Assessment:** Continuous class assessment, including class quizzes, tests, presentation and written assignments (total equivalent to 5000 words), one 1 hour semester exam.

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-culture 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.

JPNS 3841 Japan In-Country Study 1

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior JPNS credit points. **Assessment:** As required by the host institution.
NB: Department permission required for enrolment.

Approved course in a tertiary level institution in Japan.

JPNS 3842 Japan In-Country Study 2

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior JPNS credit points. **Assessment:** As required by the host institution.
NB: Department permission required for enrolment.

Approved course in a tertiary level institution in Japan.

JPNS 4011 Japanese Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** Credit result in JPNS 3901 and JPNS 3902. **Assessment:** Written assignment and / or exam.
NB: Department permission required for enrolment.

Coursework in one of the following areas: Japanese society, thought, history, or literature.

JPNS 4012 Japanese Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** JPNS4011. **Assessment:** Written assignment and / or exam.

Coursework in one of the following areas: Japanese society, thought, history, or literature.

JPNS 4013 Japanese Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** JPNS4012. **Assessment:** Written assignment and / or exam.

Coursework in one of the following areas: Japanese society, thought, history, or literature.

JPNS 4014 Japanese Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** JPNS4013. **Assessment:** Thesis (15,000-20,000 words).

Students will be required to write a 15,000-20,000 word thesis on an approved Japanese topic.

Jewish Civilisation, Thought and Culture**JCTC 1001 Palestine: Roman Rule to Islam**

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. A/Pfor Rutland. **Session:** Semester 1. **Classes:** One 2 hour lecture, one 1 hour tutorial per week. **Assessment:** One 2 hour exam (40%), one 2000 word essay (30%), one 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. The course 'Israel in the Modern Middle East', JCTC 2007, will be offered in 2007.

Textbooks

A. Malamat... [et al.], edited by H.H. Ben-Sasson, 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.

JCTC 1002 Jewish Settlement Outside Palestine

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. A/Prof. Rutland. **Session:** Semester 2. **Classes:** One 2 hour lecture, one 1 hour tutorial per week. **Prerequisites:** JCTC 1001. **Assessment:** One 2 hour exam (40%), one 2000 word essay (30%), one 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.

JCTC 1801 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 2603 Jews Under the Crescent and the Cross

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Prof Rutland. **Session:** Semester 1. **Classes:** One 2 hour lecture, one 1 hour tutorial per week. **Prerequisites:** JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1045; HSTY 1076; HSTY 1088; RLST 1001; RLST 1002. **Prohibitions:** JCTC 2003. **Assessment:** One 2 hour exam (40%), one 2000 word essay (30%), one 500 word synopsis of a tutorial paper (20%), class participation (10%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

JCTC 2604 From Expulsion to Regeneration

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Prof Rutland. **Session:** Semester 2. **Classes:** One 2 hour lecture, one 1 hour tutorial per week. **Prerequisites:** JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1045; HSTY 1076; HSTY 1088; RLST 1001; RLST 1002. **Prohibitions:** JCTC 2004. **Assessment:** One 2 hour exam (40%), one 2000 word essay (30%), one 500 word synopsis of a tutorial paper (20%), class participation (10%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

JCTC 2605 From Emancipation to the Holocaust

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Prof Rutland. **Session:** Semester 1. **Classes:** One 2 hour lecture, one 1 hour tutorial per week. **Prerequisites:** JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1054; HSTY 1076; HSTY 1088. **Assessment:** One 2 hour exam (40%), one 2000 word essay (30%), one 500 word synopsis of a tutorial paper (20%), class participation (10%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

JCTC 2606 The Holocaust: History and Aftermath

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Prof. Kwiet, Dr Moses. **Session:** Semester 2, Summer. **Classes:** One 2 hour lecture, one 1 hour tutorial per week. **Prerequisites:** JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1054; HSTY 1076; HSTY 1088. **Prohibitions:** JCTC 2006. **Assessment:** 3000 word essay (50%), 1500 word essay (30%), class participation (20%). **NB:** This unit is available as a designated 'Advanced' unit to students 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.

JCTC 2811 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 2812 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 2813 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 2814 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 2815 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 2816 Jewish Civilization Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

JCTC 4011 Judaic Studies Honours A

12 credit points. B A (Hons), Dip Arts(Hons). A/Prof Rutland. **Session:** Semester 1, Semester 2. **Classes:** Two 2 hour sessions per week semester 1, one 2 hour session per week semester 2. **Assessment:** Assignment work for each course +15,000 word thesis. **NB:** Department permission required for enrolment.

In addition to the compulsory core unit of study, Jewish Civilisation: Methodology and Tools, students will choose two IV Honours options, each of which will involve two hours a week of classes per semester. The options are: Classical Period: Jewish writings of the Second Temple Period, Socio-religious Developments in the First to Third Centuries. Modern Period: Yiddish Literature in Translation, Yiddish Popular Culture, The Australian Jewish Experience, The Evolution of Judaism in the New World, Contemporary Response to the Holocaust, The Holocaust: A Context of Health. Students can choose to specialise in either the Classical or Modern period, in which case they must do a minimum of two options in their speciality, and their dissertation also must be in their area of speciality. Each student in IV Honours will write a thesis of a minimum of 15,000 words on a subject related to their designated area. The topic will be chosen in consultation with the Department's staff and individual guidance will be provided.

JCTC 4012 Judaic Studies Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** JCTC 4011. Refer to JCTC 4011.

JCTC 4013 Judaic Studies Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** JCTC 4012. Refer to JCTC 4011.

JCTC 4014 Judaic Studies Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** JCTC 4013. Refer to JCTC 4011.

Korean Studies

KRNS 1621 Korean 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Park. **Session:** Semester 1. **Classes:** 4 hours per week. **Prohibitions:** KRNS 1101. **Assessment:** Weekly assignments, each equivalent to 200 words, two oral tests equivalent to 1000 words and one 1 hour final written examination.

This unit of study 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.

KRNS 1622 Korean 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Park. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** KRNS 1621 or KRNS 1101. **Prohibitions:** KRNS 1102. **Assessment:** Weekly assignments, each equivalent to 200 words, two oral tests equivalent to 1000 words and one 1 hour final written examination.

This unit of study 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.

KRNS 1631 Korean 9

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr 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:** KRNS 1301. **Assessment:** Five assignments equivalent to 200 words each, one major essay (1500 words) and one 2 hour final written examination.

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.

KRNS 1632 Korean 10

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Park. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** KRNS 1631. **Prohibitions:** KRNS 1302. **Assessment:** Five assignments equivalent to 200 words each, one major essay (1500 words) and one 2 hour final written examination.

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.

KRNS 1801 Korean Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

KRNS 2621 Korean 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Kwak. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** KRNS 1621 or KRNS 1102. **Prohibitions:** KRNS 2001; KRNS 2111. **Assessment:** Six assignments (200 words each), two 15 minute oral tests (equivalent to 1000 words) and one 2 hour final written examination.

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.

KRNS 2622 Korean 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Kwak. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** KRNS 2621 or KRNS 2111. **Prohibitions:** KRNS 2002; KRNS 2112. **Assessment:** Six assignments (200 words

each), two 15 minute oral tests (equivalent to 1000 words) and one 2 hour final written examination.

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.

KRNS 2671 Translation and Interpretation

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Park. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** KRNS 1632; KRNS 1302, or native speakers of Korean. **Prohibitions:** KRNS 2400. **Assessment:** Continuous assessment, consisting of six tasks, each equivalent to 400 words, and one 2 hour final examination.

This unit of study 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.

KRNS 2675 Contemporary Korean Society and Culture

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Mohan. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 12 credit points in KRNS. **Prohibitions:** KRNS 2500. **Assessment:** One 15 minute presentation equivalent to 1000 words, one 2000 word essay on an approved topic and one 2 hour semester-final exam.

This unit of study 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.

KRNS 2681 Korean In-Country Study A

6 credit points. B A, Dip Lang Stud. Dr Park. **Session:** Semester 1, Semester 2. **Prerequisites:** KRNS 1621 or KRNS 1631.

NB: Department permission required for enrolment.

Students should consult the Chair of Department before enrolling in this unit.

KRNS 2682 Korean In-Country Study B

6 credit points. B A, Dip Lang Stud. Dr Park. **Session:** Semester 1, Semester 2. **Prerequisites:** KRNS 1621 or KRNS 1631.

NB: Department permission required for enrolment.

Students should consult the Chair of Department before enrolling in this unit.

KRNS 2811 Korean Studies Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

KRNS 2812 Korean Studies Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 2, Semester 1. **NB:** Department permission required for enrolment.

KRNS 2813 Korean Studies Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

KRNS 2814 Korean Studies Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

KRNS 2815 Korean Studies Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

KRNS 3621 Korean 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Mohan. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** KRNS 2622 or KRNS 2002. **Prohibitions:** KRNS 3001. **Assessment:** Continuous class assessment, consisting of eight assignments of 200 words each, two oral tests equivalent to 1000 words and one 2 hour final written examination.

This unit of study 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.

5. Undergraduate units of study

KRNS 3622 Korean 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Mohan. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** KRNS 3621 or KRNS 3001. **Prohibitions:** KRNS 3002. **Assessment:** Continuous class assessment consisting of eight assignments of 200 words each, two oral tests equivalent to 1000 words and one 2 hour final written examination.

This unit of study follows on from KRNS 3621 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.

KRNS 4011 Korean Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Classes:** 2 hours/week. **Prerequisites:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Assessment:** Will be based on seminar coursework.

NB: Department permission required for enrolment.

Honours IV students are required to complete all four components KRNS 4011, KRNS 4012, KRNS 4013, and KRNS 4014. These components comprise coursework from a pool of postgraduate coursework offerings of the following areas plus a 15000-20000 word thesis on an approved topic:

1. Korean language and linguistics: Centred around reading material on Korean language and linguistics. The major topics include Korean phonology, morphology, syntax, sociolinguistics, and language teaching and learning.
2. Korean history and thought: Focused on conceptual and methodological issues in Korean history, religions, thought, or value systems, examining both Korean and Western literatures in the field(s).
3. Korean media and communication: Cultural, social and political aspects of mass media and communication in Korea. The major topics include media/communication industry, production, content and media/communication policy in Korea.

KRNS 4012 Korean Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisites:** KRNS4011. **Assessment:** Will be based on seminar coursework. Refer to KRNS 4011.

KRNS 4013 Korean Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisites:** KRNS4012. **Assessment:** will be based on seminar coursework. Refer to KRNS 4011

KRNS 4014 Korean Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credits in all senior KRNS units including KRNS3901 and KRNS3902. **Corequisites:** KRNS4013. **Assessment:** 15,000 - 20,000w thesis.

Students will be required to write a 15,000-20,000 word thesis on an approved topic in Korean studies.

Latin

LATN 1001 Latin 1.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School. Dr L Watson. **Session:** Semester 1. **Classes:** four lectures and one 1 hour tut/wk. **Prohibitions:** LATN1101. **Assessment:** one 2 hour exam, and assignments and tests (equivalent to 2,000 words).

Latin 1001 requires no previous knowledge of Latin. Normally students who have completed the HSC (or equivalent) in Latin are not admitted. The aim of Latin 1001 is to provide students with a basic knowledge of the language. It caters for a wide variety of students, ranging from those who intend subsequently to proceed with Latin, to those who wish to have a background to their studies in other subjects in which a knowledge of Latin is valuable or indispensable - for example ancient history, classical archaeology, English, modern foreign languages, medieval literature, philosophy and history. Intending Honours students: Latin 1001 -1002 students who are thinking of taking Honours in Latin should consult the Department during the year.

Textbooks

'Latine Discamus' available for purchase at the first lecture. A small or medium-sized Latin dictionary is recommended too.

LATN 1002 Latin 1.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr P Watson. **Session:** Semester 2. **Classes:** four lectures and one 1 hour tut/wk. **Prerequisites:** LATN 1001. **Prohibitions:** LATN1102. **Assessment:** one 3 hour exam, and assignments and tests (equivalent to 2,000 words).

Latin 1002 takes further the basic grounding of Latin 1001. It caters for a wide variety of students, ranging from those who intend subsequently to proceed with Latin, to those who wish to have a background to their studies in other subjects in which a knowledge of Latin is valuable or indispensable ~ for example ancient history, classical archaeology, English, modern foreign languages, medieval literature, philosophy and history.

Intending Honours students: Latin 1001-1002 students who are thinking of taking Honours in Latin should consult the Department during the year.

Textbooks

'Latine Discamus' Part 2; available at first class. A small or medium-sized Latin dictionary is recommended too.

LATN 1101 Advanced Latin 1.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Associate Professor B.D. Hoyos. **Session:** Semester 1. **Classes:** 4 classes/wk. **Prerequisites:** HSC Latin Continuers. **Prohibitions:** LATN 1001. **Assessment:** one 2 hour exam, one 1,500 word essay, exercises, assignments and tests (equivalent to 1,000 words).

Works for detailed study (2 lec/wk): Works by two important Latin authors will be studied. Lecturers will deal with aspects of the author's style and language, with the literary and historical background, and with structural problems raised by the work as well as with problems of text and translation. There will also be an evaluation of the author's specific aims, his success in achieving these, and the literary quality of his work.

Reading course (1 class/wk): Close study of Latin texts to develop reading and comprehension skills.

Language study (1 class/wk).

LATN 1102 Advanced Latin 1.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr P Watson. **Session:** Semester 2. **Classes:** 4 classes/wk. **Prerequisites:** LATN1101. **Prohibitions:** LATN 1002. **Assessment:** one 2 hour exam, one 1,500 word essay, and exercises, assignments and tests (equivalent to 1,000 words).

Works for detailed study (2 lectures/wk): Works by two important Latin authors will be studied. Lectures will deal with aspects of the author's style and language, with the literary and historical background, and with structural problems raised by the work as well as with problems of text and translation. There will also be an evaluation of the author's specific aims, his success in achieving these, and the literary quality of his work.

Reading course (1 class/wk): Close study of Latin texts to develop reading and comprehension skills.

Language study (1 class/wk).

LATN 1801 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 1802 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2603 Latin 2.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr P Watson. **Session:** Semester 1. **Classes:** 3 hours a week. **Prerequisites:** LATN1002 or LATN2312 or LATN2612 or LATN1102. **Prohibitions:** LATN2003. **Assessment:** assignments of 1000 words, essay of 1500 words, plus one 2-hour exam.

Works for detailed study (Classes 2hr/wk): Students will study one or two Latin authors. Authors and texts to be studied will be advised. Students who have completed LATN1102 will take classes with LATN3607.

Language study (1 hour a week).

LATN 2604 Latin 2.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr L Watson. **Session:** Semester 2. **Classes:** 3 hours a week. **Prerequisites:** LATN2003 or LATN2603. **Prohibitions:** LATN2004. **Assessment:** assignments of 1000 words, essay of 1500 words, plus one 2-hour exam.

Works for detailed study (2 hours a week): Students will study two Latin authors. Authors and texts to be studied will be advised. Students who have completed LATN1102 will take classes with LATN3608.

Language study (1 hour a week).

LATN 2605 Special Latin 2.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms F Muecke. **Session:** Semester 1. **Classes:** 3 classes/wk. **Prerequisites:** 12 credit points of Latin. **Corequis-**

ites: 6 credit points of Latin at 2000 level. **Prohibitions:** LATN2901. **Assessment:** essay of 2000 words, classwork 2000 words, plus one 2-hour exam.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
 Students who have completed LATN1002 or LATN2312 or LATN2612 will study the texts prescribed for LATN1101 (see that entry). Students who have completed LATN1102 will take classes with LATN3609.

LATN 2606 Special Latin 2.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms F Muecke. **Session:** Semester 2. **Classes:** 2 hours a week. **Prerequisites:** 12 credit points of Latin. **Corequisites:** 6 credit points of Latin at 2000 level. **Prohibitions:** LATN2902. **Assessment:** essay of 4000 words, plus one 2-hour exam.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

Students who have completed LATN 1002 or LATN2312 or LATN2612 will study the texts prescribed for LATN1102 (see that entry). Students who have completed LATN 1102 will take classes with LATN3610.

LATN 2611 Accelerated Latin 2.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr L Watson. **Session:** Semester 1. **Classes:** 4 hours a week. **Prerequisites:** 18 junior credit points including 12 credit points in Archaeology, Classical Civilisation / Studies, Classical Greek, Ancient History or Philosophy, or by permission. **Prohibitions:** LATN 1001 and LATN2301. **Assessment:** assignments 2000 words, plus one 2-hour exam.

This unit is identical with LATN 1001 and is designed to allow students specializing in areas such as Ancient History who have already fulfilled their quota of junior credit points to begin Latin at Senior level. No previous knowledge of Latin or other foreign languages is assumed, and all grammatical concepts encountered will be explained. The aim of the unit is to introduce the student to the basics of the Latin language and to Roman literature.

LATN 2612 Accelerated Latin 2.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr P Watson. **Session:** Semester 2. **Classes:** 4 hours a week. **Prerequisites:** LATN2302 or LATN2611. **Prohibitions:** LATN1002 and LATN2302. **Assessment:** assignments of 2000 words, plus one 2-hour exam.

This unit follows on from LATN2611. It builds on the basic knowledge already acquired and introduces further accidence along the way with most of the basic subordinate clause types and constructions. Increasing emphasis is placed on reading simple prose and verse texts. The specific goal of the unit is to provide students with the basic tools for further study of the Latin language and Roman Literature and to improve skills in reading and writing Latin.

LATN 2804 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2805 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2806 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2810 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2811 Latin Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 3607 Latin 3.1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. B. Dexter Hoyos. **Session:** Semester 1. **Classes:** 3 hours a week. **Prerequisites:** 16 Senior credit points of Latin. **Prohibitions:** LATN3005. **Assessment:** assignments of 1000 words, essay of 1500 words, plus one 2-hour exam.

An important era in the literature (2 hours a week) of Rome will be intensively surveyed.

Texts to be studied will be advised. Students should acquire a copy of the published literary texts.

Language study: 1 hour a week.

LATN 3608 Latin 3.2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. B. Dexter Hoyos. **Session:** Semester 2. **Classes:** 3 hours a week. **Prerequisites:** LATN3005 or

LATN3607. **Prohibitions:** LATN3006. **Assessment:** essay of 1500 words, assignments of 1000 words, plus one 2-hour exam.

Texts to be studied will be advised before the end of teaching in Semester 2 of the previous year. Students should acquire a copy of the published literary texts.

Language study: 1 hour a week.

LATN 3609 Latin 3.3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. B. Dexter Hoyos. **Session:** Semester 1. **Classes:** 3 hours a week. **Prerequisites:** 18 Senior credit points of Latin. **Corequisites:** 6 credit points of Latin at 3000 level. **Prohibitions:** LATN3903. **Assessment:** essay of 2000 words, plus one 2-hour exam.

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

A literary or other special subject will be studied with a related text or texts.

LATN 3610 Latin 3.4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. B. Dexter Hoyos. **Session:** Semester 2. **Classes:** 2 hours a week. **Prerequisites:** 18 Senior credit points of Latin. **Corequisites:** 6 credit points of Latin at 3000 level. **Prohibitions:** LATN3904. **Assessment:** essay of 2000 words, plus one 2-hour exam.

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

One Literature or Special Topic will be studied. The topic will be advised.

LATN 4011 Latin Honours A

12 credit points. B A (Hons), Dip Lang Studs (Hons). Ms F Muecke. **Session:** Semester 1, Semester 2. **Classes:** 4-5 classes/wk. **Prerequisites:** LATN 3006 and LATN 3904 (Credit). **Assessment:** All of the major components of the Honours year will be assessed.
NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

LATN 4012 Latin Honours B

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** LATN4011.

RefertoLATN4011

LATN 4013 Latin Honours C

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** LATN4012.

RefertoLATN4011

LATN 4014 Latin Honours D

12 credit points. B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** LATN4013.

RefertoLATN4011

Legal Studies (no major available)

LAWS 1100 Introduction to Civil Liability

6 credit points. B A S. Mr. Ross Anderson. **Session:** Semester 2. **Classes:** Three 1 hr Lectures per week. **Prerequisites:** SLSS1001 Introduction to Socio-Legal Studies. **Assessment:** Problem based assignment 2000 words (25%), Examination (75%).

NB: This unit of study is offered by the Faculty of Law to students enrolled in the first year of the Bachelor of Arts and Sciences (BAS) degree only.

The concept of civil liability, being the concept of personal responsibility to make reparation for harm caused to the legally protected interests of another person, is the central concept of the common law. The history of civil liability from medieval times to the present day is the history of the common law. As tort law, or the law of civil wrongs, is the principal source of civil liability in modern Australian law, this unit of study is an introduction to the historical development and present day bases of civil liability through the medium of tort law.

The unit of study will address the following topics: (1) The scope of civil liability in modern Australian law, with particular regard to concurrent liability in tort and contract and concurrent liability in tort and crime; (2) Historical background, including the development of the medieval forms of action trespass vi et armis and the action on the case; (3) Trespass to the person, including the torts of battery, assault and false imprisonment and defences; (4) The action on the case for wilful injury; (5) Interference with land, including trespass and private nuisance; (6) Interference with goods, including trespass and conversion; (7) Negligence as an independent basis of civil liability, including the concept of a duty of care, the standard of care and causation and remoteness of damage; (8) Case studies in negligence liability, with particular reference to psychiatric injury, prenatal injury and pure economic loss; (9) Fatal accidents; (10) Vicari-

5. Undergraduate units of study

ous liability; (11) Transborder civil liability, including choice of the applicable law; and (12) Civil liability of air carriers.

Textbooks

Casebook: J Swanton, B McDonald, R Anderson and S Yeo, Cases on Torts, 3rd edn, Federation Press, 2002. A supplement to this book is available on the Federation Press website www.federationpress.com.au Textbook: R P Balkin and J L R Davis, Law of Torts, 3rd edn, Butterworths, 2004

SLSS 1001 Introduction to Socio-Legal Studies

6 credit points. B A S, B S T, UG Study Abroad Program. **Session:** Semester 1. **Classes:** one 2 hr Lecture and one 1 hr Tut. **Assessment:** Class participation (10%), one 1500 words take-home exam (40%), one 3000 words essay (50%).

NB: Available to BAS students 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

Course pack will be available through Copy Centre

SLSS 1002 Law as Language, Culture and Performance

6 credit points. B A S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 hrs of Lecture and 1 hr of Tutorial. **Assessment:** Class participation (10%), one 1500 words take-home exam (40%) one 3000 words essay (50%).

NB: Available to BAS students only

This unit introduces students to the key elements of the cultural analysis of legal discourse and practice. It will discuss the concept of legal culture as well as the study of law as literature and storytelling, the analysis of the performative dimensions of legal practice, the relationship between law and the media, the legal construction of race and difference, especially in colonial and settler-colonial settings, as well as the comparative analysis of legal institutions in differing social and cultural contexts.

Textbooks

Course pack will be available through Copy Centre

Linguistics

LNGS 1001 Structure of Language

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Prof William Foley. **Session:** Semester 1. **Classes:** (two 1hr lectures & one 1hrtutorial)/wk. **Prohibitions:** LNGS 1004, LNGS 1005. **Assessment:** 1.10 short problem based assignments, each about 150 words, for a total of 1500 words.2. A one hour mid-term exam, equivalent to 1000 words.3. A two 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., Blair, D., Collins, P. 1996. 'An Introduction to Language'. Fourth edition. Sydney: Harcourt.

LNGS 1002 Language and Social Context

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr I. Piller. **Session:** Semester 2. **Classes:** (two 1hr lectures & one 1hr tutorial)/wk. **Assessment:** 1.10 short assignments, each 150 words, totalling 1500 words.2. A one hour midterm exam, equivalent to 1000 words.3. A two hour formal final examination, equivalent to 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? Implications for educational practice will also be highlighted.

Textbooks

Mesthrie, R., Swann, J., Deumert, A., Leap, W. 2000. 'Introducing Sociolinguistics'. Edinburgh University Press.

LNGS 1005 Structure of English

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr Jane Simpson. **Session:** Semester 1. **Classes:** One one-hour lecture with one 1hr seminar & one optional 1hr tutorial per week. **Prohibitions:** LNGS 1001 or LNGS 1004. **Assessment:** one 1hr exam, various written assignments and 1 essay.

This unit looks at the structure of English from the point of view of modern linguistics and focusses on written and spoken academic English. It will be especially valuable to non-native speakers of English in giving them an overview of how and why English works

the way it does. Topics covered include: English vocabulary, phonetics; intonation; word types; count and mass nouns; verb types and sentence structures; auxiliary verbs and tense and mood; voice, topicality and information structure. Knowledge about the structure of English will be used to improve students' writing skills in collaboration with the Learning Centre.

LNGS 1801 Linguistics Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

LNGS 2601 Phonetics and Phonology

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr T Borowsky. **Session:** Semester 1. **Classes:** 2 1hr lectures and 1 workshop. **Prerequisites:**

LNGS 1001: Structure of Language or LNGS 1005: Structure of English or LNGS 1004 Languages of Australia. **Prohibitions:** KRNS 2317 or KRNS 2318 or LNGS2001 .. **Assessment:** Problem sets and two inclass exams totalling 6000 words.

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

The material studied in this course covers phonetic processes that occur in the languages and how they constrain the sound structure of languages. We discuss how the vocal tract works in speech production and learn the phonetic alphabet while looking at a cross linguistic survey of speech sounds as well as basic acoustic phonetics and spectrogram reading. We turn to phonological analysis and argument and learn how phonological systems are structured and what common patterns of alternation and change are.

LNGS 2602 Syntax

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof W Foley. **Session:**

Semester 2. **Classes:** 2 1hr lectures and 1 1hr workshop. **Prerequisites:** LNGS 1001 or LNGS 1005 or LNGS 1004. **Prohibitions:** LNGS 2002.. **Assessment:** 5 problem sets, totalling equivalent 2500 words and two hours of examination - consisting of problems, equivalent 2000 words.

NB: This unit is available as a designated 'Advanced' unit to students 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.

LNGS 2603 Functional Grammar and Discourse

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof J R Martin. **Session:** Semester 1. **Classes:** 2 1hr lectures and 1 1hr workshop. **Prerequisites:** Two of ENGL 1000, ENGL 1050, LNGS 1001, LNGS 1002, LNGS 1003, LNGS 1004, LNGS 1005, MECO1001. **Prohibitions:** LNGS2003. **Assessment:** 4 term assignments (equivalent of 500 words each); 1 exam (2 1/2 hours).

This unit takes a functional view of grammar, considering the ways in which English is organised to build up our picture of reality, to enable us to interact in conversation and to make our contribution coherent and relevant. It is designed to give students analysis skills in the analysis of ideational, interpersonal and textual meaning in the clause, the nature of inter-clausal relations, and the structure of nominal, verbal and adverbial groups and prepositional phrases.

LNGS 2604 Discourse Analysis

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof J R Martin. **Session:**

Semester 2. **Classes:** 2 1hr lectures and 1 1hr workshop. **Prerequisites:** Two of LNGS1001, LNGS1002, LNGS1003, LNGS 1004, LNGS 1005, ENGL 1050, MECO1001. Also one of LNGS2602, LNGS2603. **Prohibitions:** LNGS2004.. **Assessment:** 4 term assignments (equivalent 500 words each); 1 essay (2500 words).

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.

LNGS 2612 Language Variation and Change

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr T Borowsky. **Session:** Semester 1. **Classes:** 2 1hr lectures. **Prerequisites:** Two of LNGS 1001, LNGS 1002, LNGS1003, LNGS1004 and LNGS1005. **Prohibitions:** LNGS2026, LNGS2006.

Assessment: I group research project 2000words and one research project 3000words plus a presentation 1000words.

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.

LNGS 2613 Computer Applications in Linguistics

6 credit points. B A, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 2 1hr lectures. **Prerequisites:** Two of LNGS 1001, LNGS 1002, LNGS 1003, LNGS 1004, LNGS 1005. **Prohibitions:** LNGS2027, LNGS2007. **Assessment:** 6 written assignments - each equivalent to 1000 words.

This unit of study introduces students to the many uses of computers in the humanities with specific reference to linguistics: computer lexicography; building and searching text corpora, examining speech signals, collocations, style, authorship, discourse structure and syntactic constructions. Accessing information on languages and linguistics through library catalogues, electronic mailing lists, FTP sites and the World Wide Web. Other linguistics units (like phonetics, field methods, historical linguistics and semantics) will benefit from some basic knowledge of the use of computers.

LNGS 2617 Cross-Cultural Communication

6 credit points. B A, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** Two seminars/week. **Prerequisites:** Credit average in 24 Senior credit points of Linguistics, or of a foreign language. **Assessment:** Essay, other written assignments.

A survey of explanations for interactional style differences among different cultures (information structure, speech act theory, ethnography of communication, politeness), and a survey of some culturally differing linguistic features (silence, turn-taking, politeness, speech acts), through case studies and critiques.

LNGS 3601 Semantics and Pragmatics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Jane Simpson. **Session:** Semester 1. **Classes:** 2 1hr lectures, 1 1hr tutorial. **Prerequisites:** One of LNGS2601, LNGS2602, LNGS2603, LNGS2604 [or LNGS2001, LNGS2002, LNGS2003, LNGS2004]. **Prohibitions:** LNGS3026, LNGS3006. **Assessment:** 2 assignments at 2,000 words, 1 class presentation (500 words).

NB: 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.

LNGS 3602 Modern Theories of Grammar

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor William Foley. **Session:** Semester 1. **Classes:** one 2 hr seminar. **Prerequisites:** LNGS2601 and LNGS2602 [or LNGS2001 and LNGS2002]. **Prohibitions:** LNGS3024, LNGS3004. **Assessment:** 2,000 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] tutorial paper (equiv. 1,000 words) 3 assignments, each ca. 1,000 words.

We examine the construction of a linguistic theory of grammar through close examination of a particular theory of grammar, formal or functional. We consider how the theory accommodates properties such as the formal and functional properties of grammars, constituency, configurationality, grammatical functions, anaphora and cohesion, clause linkage, the division of labour between the lexicon, morphology and syntax. We test the assumptions and hypotheses of the theory with respect to data from different languages.

LNGS 3605 Structure and Use of a Language

6 credit points. B A, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 2hr seminar. **Prerequisites:** LNGS 2601 [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.

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.

LNGS 3690 Issues in Theoretical Linguistics

6 credit points. B A, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 1 2hr seminar. **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:** 2,000 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] tutorial paper (equiv. 1,000 words) 2 assignments each ca. 1,500 words.

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

This unit introduces students to the methods of linguistic argument through careful study of a current debate in theoretical linguistics. Students learn to identify and assess the underlying assumptions, to work out what evidence would confirm or disconfirm the hypotheses made by different parties in the debate, and to draw conclusions as to which hypotheses are more likely to be useful or correct. They also learn to situate the debate within the wider contexts of linguistic theories and language description. The topic in semester 1, 2006 will be Australian Sign Language (AUSLAN).

LNGS 3692 Media Discourse

6 credit points. B A, Dip Arts, UG Study Abroad Program. Prof J Martin. **Session:** Semester 1. **Classes:** one 2 hr lecture. **Prerequisites:** Credit average in 18 Senior credit points which may be comprised of Linguistics units, Media and Communication 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:** LNGS3912. **Assessment:** 3 assignments at 2,000 words each.

"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.

LNGS 3694 Language and Identity

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ikuko Nakane. **Session:** Semester 1. **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, Thai, 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).

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.

LNGS 3696 Bilingualism

6 credit points. B A, Dip Arts, UG Study Abroad Program. TBA. **Session:** Semester 2. **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, Thai, Anglo-Saxon, Old Norse). Other language units require department permission. **Prohibitions:** LNGS3929. **Assessment:** 3 assignments at 2,000 words each. 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.

LNGS 3699 Linguistics Research Issues

6 credit points. B A, Dip Arts, Dr T. Borowsky. **Session:** Semester 1, Semester 2. **Classes:** 2 1hr lectures. **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:** 6,000 word research paper which will be done in stages and reported on through each stage and presented formally in seminar.

NB: Department permission required for enrolment. 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.

LNGS 4011 Linguistics Honours A

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 48 Senior Credits of Linguistics, including either LNGS3026 or LNGS3601, and 3 of LNGS2001, LNGS2002, LNGS2003, LNGS2004, LNGS2601, LNGS2602, LNGS2603, LNGS2604. **Assessment:** Consult Department for details. *NB: Department permission required for enrolment.*

LNGS 4012 Linguistics Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** LNGS4011. see LNGS4011

5. Undergraduate units of study

LNGS 4013 Linguistics Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: LNGS4012.
seeLNGS4011

LNGS 4014 Linguistics Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2.
Corequisites: LNGS4013.
seeLNGS4011

Media and Communications

MECO 1001 Australian Media Studies

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. Dr. M Brennan. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Assessment:** One 1500 word essay (30%); One 1500 word essay (40%); one 2hr exam (30%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) 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

Alan McKee, *Textual Analysis: A Beginner's Guide*, SAGE London, 2003

It is recommended that students purchase a reader from the Copy Centre.

MECO 1003 Principles of Media Writing

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. A/Prof Lummy. **Session:** Semester 1. **Classes:** One 2hr lecture, one 1hr tutorial. **Assessment:** 400-word news story (20 %); 500-word colour news story (20 %); 700-word broadcast script (20%); Two hour examination (30 %).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) 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 ; David Conley, 'The Daily Miracle: An Introduction to Journalism', Oxford University Press, Melbourne, 1997; Style, News Custom, 2005.

MECO 2601 Radio Broadcasting

6 credit points. B A (Media & Comm), B Sc Media Commun. Dr Anne Dunn. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 2 hour workshop. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS1005. **Prohibitions:** MECO 2001. **Assessment:** One 1500 word essay, one production diary, radio scripts and final work (equivalent 1000 words), one 2 hour examination.

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit of study provides an introduction to the history of radio and to the theory and practice of radio production, by combining theoretical analysis with practical experience. The unit has a strong practical component in which students will research, script, record and edit a radio news story and a radio magazine item.

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

MECO 2603 Media Relations

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. Dr. Richard Stanton. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 orLNGS1005. **Prohibitions:** MECO2003. **Assessment:** 4000-4500 words of practical assignments.

NB: Available to BA(Media and Commun) and BSc (Media & Commun) 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. It 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.

MECO 2805 Media and Communications Exchange

6 credit points. B A (Media & Comm). **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

MECO 2806 Media and Communications Exchange

6 credit points. B A (Media & Comm). **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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

MECO 2807 Media and Communications Exchange

6 credit points. B A (Media & Comm). **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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

MECO 2808 Media and Communications Exchange

6 credit points. B A (Media & Comm). **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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

MECO 3601 Video Production

6 credit points. B A (Media & Comm), B Sc Media Commun. Dr Steven Maras. **Session:** Semester 2. **Classes:** One 2hr lecture, one 2hr workshop. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 orLNGS1005. **Prohibitions:** MECO 3001. **Assessment:** Individual news story (15%); Group produced video and tutorial presentation (40%); production log & reflection statement (15%); 2 hr exam (30%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) 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

Mollison, Martha (2003). *Producing Videos: A Complete Guide*. 2nd edition. AFTRS/Allen & Unwin: Sydney. There is a recommended Reader, available from the University Copy Centre.

MECO 3602 Online Media

6 credit points. B A (Media & Comm), B Sc Media Commun. Ms Crawford. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005. **Prohibitions:** MECO 3002. **Assessment:** One web site worth 40%; one production log (15%); one two hour exam (30%); one web site proposal (10%); tutorial participation (5%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit will examine the role of the Internet, new media and the way the web is changing the media landscape. It explores the development and growth of the Internet, and provides a critical framework in which to understand the current industry. By the end of the unit, students will be familiar with key theoretical and cultural issues in online media, and will engage in both offline and online analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will design and develop their own web sites.

Textbooks

Flew, Terry (2005), 'New Media:An Introduction'. 2nd Edition. Melbourne:Oxford University Press.pp280. ISBN 0195550412. Students are also recommended to purchase the reader from the Copy Centre.

MECO 3603 Media, Law and Ethics

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. Dr Anne Dunn (2006 only). **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 orLNGS1005. **Prohibitions:** MECO3003. **Assessment:** Tutorial paper and media law exercise, equiv.2500 wrds (60%), 2 hr exam (30%), participation & attendance (10%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) 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:

Lumby, Catharine, and Elspeth Probyn, Eds. (2003) 'Remote Control: New Media, New Ethics', Cambridge University Press, Melbourne.

Pearson, Mark (2004) 'The Journalist's Guide to Media Law: Dealing with Legal and Ethical Issues'. 2nd Edition. Allen and Unwin, Crows Nest.

MECO 3605 Media Globalisation

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. Dr M Brennan. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial.

Prerequisites: 12 Junior credit points of MECO units and either ENGL 1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO3005. **Assessment:** One 2000 word essay (40%); Tutorial Presentation/Debate (20%); one 2hr exam (40%).

NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only

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

Stuart Cunningham and Graeme Turner (Ed.), The Media and Communications in Australia. Allen & Unwin, Sydney, 2002

It is recommended that students purchase a reader from the Copy Centre.

MECO 3606 Advanced Media Writing

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. A/Prof. Lumby. **Session:** Semester 2. **Classes:** One 2 hour lecture and one 1 hour workshop.

Prerequisites: 12 Junior credit points of MECO units and either ENGL1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO 3006. **Assessment:** 2000 words of print media writing assignments (60%) and one 2 hr exam (40%).

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

This unit of study will build on foundational writing, research and interviewing skills acquired in MECO 1003 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 formats and genres and consider relevant theoretical issues.

Textbooks

Course reader

MECO 3609 Critical Practice in Media

6 credit points. B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS1005.

NB: Available to BA (Media and Comm) and BSc (Media & 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.

MECO 3671 Media and Communications Internship

6 credit points. B A (Media & Comm), B Sc Media Commun. Ms Blue. **Session:** Semester 1, Semester 2, Summer. **Classes:** There are no lectures, but attendance may be required at a programme of industry talks and/or student seminars.

Prerequisites: 30 senior credit points of MECO, including MECO 3603 (which may be taken in the same semester). Students may not enrol in MECO 3671 prior to the second semester of their 3rd year. (MECO3 002 and MECO 3003 (4th Years)). **Corequisites:** MEC03672 (4th Years) or MECO3602 and MECO3603 (3rd years). **Prohibitions:** MECO3701 and 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. The internship and journal is assessed on a satisfactory/unsatisfactory basis.

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

The internship consists of a work placement comprising a minimum of 20 working days in a media organisation, assisted and supervised by both the workplace and the department. Placements may include print, broadcast and online media, public relations and advertising

organisations. Students will be required to present a journal recounting their experiences during the internship. In consultation with their supervisor, students will formulate a topic for their research essay.

MECO 3672 Internship Project

6 credit points. B A (Media & Comm), B Sc Media Commun. Ms Blue. **Session:**

Semester 1, Summer. **Prerequisites:** 30 senior credit points of MECO, including MECO 3603 (which may be taken in the same semester). Students may not enrol in MECO 3671 prior to the second semester of their 3rd year. **Corequisites:** MEC03671 (4th Years) or MEC03671 and MEC03602 and MEC03603 (3rd years). **Prohibitions:** MECO3701 and MECO3702. **Assessment:** 4000-5000 word research essay. Students, in consultation with a supervisor, will formulate a topic for their research essay.

NB: Available to BA (Media and Comm) and BSc (Media & Communications) students only.

Students will be required to present a journal recounting their experiences during the internship and in consultation with a supervisor, will formulate a topic for their 4000 word research essay. Students will be required to attend one or two seminars at the beginning of the semester, on how to conduct research.

Textbooks

Stokes, Jane (2002) How to do Media and Cultural Studies, London: Sage

MECO 4601 Honours Research Methods A

6 credit points. B A (Media & Comm)(Hons). Dr Marc Brennan. **Session:** Semester

2, Semester 1. **Classes:** 2 hour seminar. **Assessment:** 4,000 words.

NB: Department permission required for enrolment.

This seminar will introduce students to key research methods and critical approaches in the media and communications fields and engage them in the close reading of theoretical texts. Students will also be required to give presentations and to actively engage in argumentation and critique.

MECO 4602 Honours Research Methods B

6 credit points. B A (Media & Comm)(Hons). Dr Marc Brennan. **Session:** Semester

1, Semester 2. **Classes:** 2 hour seminar. **Corequisites:** MECO4601. **Assessment:** 4,000 words.

NB: Department permission required for enrolment.

This seminar will extend and build on the skills acquired in MECO 4601 - Honours Research Methods.

MECO 4603 Honours Seminar A

6 credit points. B A (Media & Comm)(Hons). Dr Marc Brennan. **Session:** Semester

1, Semester 2. **Classes:** 2 hour seminar. **Assessment:** 4,000 words.

NB: Department permission required for enrolment.

This seminar will give students an opportunity to develop their thesis outline in a peer review context, to present work for group discussion and to actively engage with other researchers. Students will be encouraged to experiment with new ideas, approaches and genres.

MECO 4604 Honours Seminar B

6 credit points. B A (Media & Comm)(Hons). Dr Marc Brennan. **Session:** Semester

1, Semester 2. **Classes:** 2 hour seminar. **Corequisites:** MECO4603. **Assessment:** 4,000 words.

NB: Department permission required for enrolment.

This seminar will extend and build on the skills acquired in MECO4603 - Honours Seminar A.

MECO 4605 Honours Thesis A

6 credit points. B A (Media & Comm)(Hons). Dr Marc Brennan. **Session:** Semester

1, Semester 2. **Assessment:** Either a thesis of 12,000-15,000 words OR a media production of an agreed size PLUS a 6,000-8,000 word extended essay.

NB: Department permission required for enrolment.

Regular consultation with supervisor is required, at which an agreed schedule of work will be negotiated.

MECO 4606 Honours Thesis B

6 credit points. B A (Media & Comm)(Hons). **Session:** Semester 1, Semester 2.

Corequisites: MECO4605.

NB: Department permission required for enrolment.

See description in MECO4605 -Thesis A

MECO 4607 Honours Thesis C

6 credit points. B A (Media & Comm)(Hons). **Session:** Semester 1, Semester 2.

Corequisites: MECO4606.

NB: Department permission required for enrolment.

See description in MECO4605-Thesis A.

MECO 4608 Honours Thesis D

6 credit points. B A (Media & Comm)(Hons). **Session:** Semester 1, Semester 2.

Corequisites: MECO4607.

NB: Department permission required for enrolment.

See description in MECO4605-Thesis A.

Medieval Studies

MDST 2601 Written Record of the Middle Ages

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Pry or (Coordinator). **Session:** Semester 1. **Classes:** Three hrs per week: Timetable: Tuesday 12-1, Thursday 12-2. **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, one take-home exam.

This Unit of Study may be counted towards Majors in History and English.

Examines medieval European traditions of the written record in documents and books. Addresses the movement from oral to written tradition; literacy and the languages of written record; functions of writing in administration, law, intellectual pursuits; the social contexts of writing. Introduces medieval manuscripts of various kinds, palaeography and diplomatic, relationships between written texts and music and art.

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/>.

MDST 2607 Medieval Literary and Artistic Codes

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Pryor. **Session:** Semester 2. **Classes:** Three hrs per week. Timetable: Tuesday 12-1, Thursday 12-2. **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, one take-home exam of 1500 words.

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 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/>.

MDST 2609 Crusade and Jihad

6 credit points. B A, Dip Arts, UG Study Abroad Program. A/Professor Pryor. **Session:** Semester 2. **Classes:** 3 hours/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 Take-Home exam of 1500 words.

NB: This Unit of Study may be counted towards a Major in History.

The unit examines the struggle for the Holy land between the conquest of Jerusalem by the First Crusade in 1099 and the fall of Acre to the Mamluk sultans of Egypt in 1291. It contextualizes that struggle within an examination of the political and religious structures of the Latin Western, Byzantine, and Muslim Near-Eastern worlds and then examines how the struggle impacted upon all three civilizations. Major focuses include the medieval concepts of Christian Crusade and Muslim Jihad.

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/>.

MDST 4011 Medieval Studies Honours A

12 credit points. B A (Hons), Dip Arts(Hons). A/Professor Pryor (Coordinator). **Session:** Semester 1, Semester 2. **Prerequisites:** A Major in Medieval Studies plus 12 additional credit points from units of study in List B, all with a credit average. Dept permission required. **Assessment:** A thesis of 15-20,000 words/Four one-semester units of study (2 hours per week).

NB: Department permission required for enrolment.

Medieval Studies IV Honours is a 2-semester programme consisting of:

1. A thesis of 15-20,000 words, written under the supervision of a member of staff nominated by the Coordinator.
2. Units of study (2 hours per week) chosen from Special Entry and IV Honours units of study in approved subject areas.

NOTE: Since entry into IV-Honours units of study requires completion of Senior-level Special Entry units of study, it is important that prospective IV-Honours students consult the Coordinator to ensure that their choice of Senior-level units of study is appropriate to their intentions for IVth Year.

3. Normally, although this may be varied in individual cases, the coursework is worth 60% of the total mark and the thesis is worth 40%.

MDST 4012 Medieval Studies Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MDST4011.

Refer to MDST 4011.

MDST 4013 Medieval Studies Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MDST4012.

Refer to MDST 4011.

MDST 4014 Medieval Studies Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MDST4013.

Refer to MDST 4011.

Modern Greek

MGRK 1601 Junior Modern Greek 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1. **Classes:** 4 hours/week. **Prohibitions:** MGRK 1101. **Assessment:** Continuous assessment (class exercises) equivalent to 2500 words; one 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 department.

MGRK 1602 Junior Modern Greek 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** MGRK 1101 or MGRK 1601 or equivalent. **Prohibitions:** MGRK 1102. **Assessment:** Continuous assessment (class exercises) equivalent to 2500 words; one 2 hour exam.

This unit is a continuation of MGRK 1601. it aims at strengthening students' oral communication skills and developing further their written skills. Having completed MGRK 1602 students in their second year will normally enter MGRK 2601.

Textbooks

Supplied through department.

MGRK 1621 Junior Modern Greek 3

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** Modern Greek Continuors or Modern Greek Extension or equivalent language proficiency as determined by the department, or HSC. **Prohibitions:** MGRK 1101; MGRK 1501; MGRK 1401. **Assessment:** 1000 word assignment, continuous assessment consisting of 6 tasks equivalent to 1500 words, 1 two hour exam, participation.

This unit of study 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.

MGRK 1622 Junior Modern Greek 4

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** MGRK 1621 or MGRL1401 or equivalent language proficiency as determined by the department. **Prohibitions:** MGRK 1101; MGRK 1102; MGRK 1402. **Assessment:** 1000 word assignment, continuous assessment consisting of six tasks (grammar exercises and compositions) equivalent to 1500 words, one 2 hour exam.

The unit is a continuation of Junior Modern Greek 1. Enrolment to this unit without completion of Junior Modern Greek 1 is possible after consultation with the Chair of the department.

MGRK 2601 Senior Modern Greek 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Panayiota Nazou. **Session:** Semester 1. **Classes:** 4 hours/week (2 hours Language and 2 hours Cultural and Historical survey). **Prerequisites:** MGRK 1102, or MGRK 1602 or special permission by the department. **Prohibitions:** MGRK 1501 or MGRK 2001. **Assessment:** 1000 word assignment, continuous assessment (language exercises and class tests) equivalent to 1000 words, one 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 department.

MGRK 2602 Senior Modern Greek 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Panayiota Nazou. **Session:** Semester 2. **Classes:** 4 hours/week (2 hours Language and 2 hours Cultural and Historical survey). **Prerequisites:** MGRK 2001 or MGRK 2601 or special permis-

sion by the department. **Prohibitions:** MGRK 1502 or MGRK 2002. **Assessment:** 1000 word assignment, continuous assessment (language exercises and class tests) equivalent to 1000 words, 2 hour exam.

This unit is a continuation of MGRK 2601: Senior Modern Greek 1, and builds upon the knowledge and skills acquired during semester one.

Textbooks

Supplied through department.

MGRK 2603 Style and Expression

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Anthony Dracopoulos. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. **Prohibitions:** MGRK 2203. **Assessment:** Four compositions and four exercises equivalent to 2500 words, one 2 hour exam.

The unit builds on the structures analysed in MGRK 1604 and MGRK 2602. 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 department.

MGRK 2604 Comparison of Greek and English

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 3 hours/week: 1 lecture, 2 tutorials. **Prerequisites:** MGRK 1402 or MGRK 2002 or MGRK 1622 or MGRK 2602 or special permission by the department. **Prohibitions:** MGRK 2204. **Assessment:** One final essay (2500 words), other written assignments (1000 words), class presentation (1000 words).

Students' ability to discuss language for analytical and teaching purposes is enhanced in this unit by comparative examination of patterns found in Greek and English; necessary linguistic terminology is introduced in both languages. There is also practical concentration on translation between the languages in areas of special cultural significance; humour, wit, newspaper writing, proverbs, practical jokes, etc.

Textbooks

Supplied through department.

MGRK 2605 Theory and Practice of Translation B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ass. Prof. Vrasidas Karalis/Dr Panayiota Nazou. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** MGRK 1202 or MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. **Prohibitions:** MGRK 3211. **Assessment:** Continuous assessment equivalent to 500 words, two class tests equivalent to 2000 words, one 2000 word essay.

This unit is a continuation of MGRK 3210 (Theory and Practice of Translation A) 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.

MGRK 2606 Varieties and Registers

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Panayiota Nazou. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. **Prohibitions:** MGRK 3205, MGRK 3207. **Assessment:** Continuous assessment equivalent to 1000 words, one presentation and written essay equivalent to 1500 words, one take home exam equivalent to 2000 words.

This unit examines linguistic dialects and idiolects employed by different social groups in various levels of everyday communication in contemporary Greece. It also includes the study of written expressions of class-defined discourse and transpersonal contact, with specific emphasis on various historical linguistic professional phraseology, such as economics, law, medicine, science, politics and journalism.

Textbooks

Supplied through department

MGRK 2631 Cultural Identities

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Panayiota Nazou. **Session:** Semester 1. **Classes:** 2 hours/week: 1 lecture and 1 tutorial. **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 the department. **Assessment:** 1 presentation equivalent to 1000 words, 1 essay (3000 words).

This unit of study examines the cultural conditions and social realities which contribute in forming the hybrid identities of the Greek/Australian community. It focusses on various forms of representation, through literature, media, film, video clips, music, etc., and examines their psychological and existential significance. It explores relations developed in Australian society between various communities, and their role in articulating their identities in contemporary Australian society.

MGRK 2652 Politics & Politicians in Greece

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ass. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 2 hours/week: 1 lecture and 1 tutorial. **Prerequisites:** 12 Junior credit points in any subject. **Prohibitions:** MGRK 2512. **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 department

MGRK 2653 Sex, Drugs and Music in Modern Greece

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ass. Prof. Vrasidas Karalis. **Session:** Semester 1. **Classes:** 2 hours/week (1 lecture and 1 tutorial). **Prerequisites:** 12 Junior credit points in any subject. **Prohibitions:** MGRK 2523. **Assessment:** Final essay (4000 words), other written assignments (1000 words), class presentation (1000 words).

In this unit we study the development of alternative forms of culture in modern Greece during the last two centuries. It covers the development of the rebetika songs and their surrounding sub-cultural lifestyle, attitudes to sexuality (heterosexual and homosexual), forms of popular culture and their representational codes. It also examines the emergence of counter-cultural phenomena during the last two decades in music and cinema with special emphasis on cultural products created by women, migrants and other minorities in Greece.

MGRK 2675 New Testament Greek and its World A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1. **Classes:** 3 hours/week (1 lecture and 2 tutorials). **Prerequisites:** 12 Junior credit points in any subject. **Prohibitions:** MGRK 2525. **Assessment:** Final essay (2500 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.

MGRK 2676 New Testament Greek and its World B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 3 hours/week: 1 lecture and 2 tutorials. **Prerequisites:** 12 Junior credit points in any subject. **Prohibitions:** MGRK 2526. **Assessment:** Final essay (2500 words), other written assignments (1000 words), class presentations (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.

MGRK 2682 Sports and Contemporary Culture

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr A. Dracopoulos. **Session:** Semester 2. **Classes:** 2 hours/week: 1 lecture and 1 tutorial. **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 the department. **Assessment:** Participation (10%), one presentation (10%) equivalent to 1000 words, one 3000 word essay (40%), one 2 hour exam (40%) equivalent to 2000 words.

Sports are rarely 'just a game', they both reflect and shape our cultural practices. By analysing major sporting events in Greece and Australia (soccer, rugby, cricket and the Olympics), this unit of study explores the values, attitudes and perceptions of the two cultures. It examines gender issues, race relations, body culture, sport icons, fans, on and off-field violence, consumerism, and socialisation.

MGRK 2691 Sociolinguistics in the Greek Diaspora

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Panayiota Nazou. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** Credit or above in MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. **Prohibitions:** MGRK 2904. **Assessment:** Two presentations equivalent to 1500 words (750 words each), one essay (2000 words), one take home exam equivalent to 2500 words.

NB: Department permission required for enrolment.

This unit will examine Greek bilingualism from a historical and sociolinguistic perspective, including a brief comparative study of

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Katharevousa, its phonetics, morphology and syntax. This unit will also look at sociolinguistic aspects of bilingualism in relation to Greeks of the Diaspora.

Textbooks

Supplied through department.

MGRK 2811 Modern Greek Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MGRK 2812 Modern Greek Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MGRK 2813 Modern Greek Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MGRK 2814 Modern Greek Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MGRK 2815 Modern Greek Exchange

6 credit points. B A, Dip Lang Stud. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MGRK 3692 Theories of Literature

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Anthony Dracopoulos. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** Credit or above in MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or Special Entry Eligibility form signed by the Chair of Department. **Prohibitions:** MGRK 3901. **Assessment:** Class presentation (equivalent to 1000 words), one essay (3000 words), take home exam (2000 words).

NB: Department permission required for enrolment.

This Unit of Study 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 department.

MGRK 4011 Modern Greek Honours A

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1, Semester 2. **Prerequisites:** A major in Modern Greek plus 16 additional credit points which must include MGRK2904 and 3901. **Assessment:** Essays for each seminar and long essay.

NB: Department permission required for enrolment.

Students will complete six semester length seminars and associated work. In addition to this students will write a Long Essay of about 15000 words on a subject chosen in consultation with the Department's staff. Individual guidance will be provided. The seminars offered in 2005 are:

Semester 1:

- Literary History and Poetics
- Greek Literature in Film
- Comparative Literature

Semester 2:

- Modern Greek Historiography
- History of Greek Language
- Classical Heritage in Modern Greek Culture

Textbooks

Supplied through department.

MGRK 4012 Modern Greek Honours B

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MGRK4011.

MGRK 4013 Modern Greek Honours C

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MGRK4012.

MGRK 4014 Modern Greek Honours D

12 credit points. B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MGRK4013.

Music

MUSC 1501 Concepts of Music

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program. Assoc Prof Winsome Evans. **Session:** Semester 2. **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 Department of Music. **Prohibitions:** MUSC 1503, 1504. **Assessment:** Seven composition exercises (60%), two aural tests plus class work assessment in weekly aural tutorials (40%).

NB: The Department holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses and believe they have the equivalent aural and harmonic skills to attend Concepts of Music, please phone the department 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.

MUSC 1503 Fundamentals of Music I

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program. Dr Matthew Hindson. **Session:** Semester 1. **Classes:** 1 lecture & 2 tutorials/wk. **Prohibitions:** MUSC 1501. **Assessment:** Four written assignments (15% each), three aural in-class assessments (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 advanced skill such as four-part vocal writing and melodic dictation.

MUSC 1504 Fundamentals of Music II

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 1 lecture & 2 tutorials/wk. **Assumed Knowledge:** Material covered in MUSC 1503. Students interested in taking this course who have not completed MUSC 1503 must see the lecturer beforehand to ascertain that they have the required knowledge. **Prohibitions:** MUSC 1501. **Assessment:** Four written assignments (15% each), tutorial attendance (10%), aural tests in tutorials (30%).

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 advanced four-part writing or features of melodic writing in different musical cultures.

MUSC 1506 Music in Western Culture

6 credit points. B A, B Int S, UG Study Abroad Program. Professor Anne Boyd. **Session:** Semester 1. **Classes:** 2hr lecture & 1 tut/wk. **Assumed Knowledge:** The ability to follow a musical score while listening to the music and some prior knowledge of elemental 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.

MUSC 1507 Sounds, Screens, Speakers: Music & Media

6 credit points. B A, B Int S, UG Study Abroad Program. Dr Charles Fairchild. **Session:** Semester 2. **Classes:** 2hr lecture & 1 tut/wk. **Assessment:** Two 500 word assignments; result of individual analysis and one 3000 word assignment; result of individual research.

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.

MUSC 2612 Arts Music Concert Performance 1

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Prof Winsome Evans. **Session:** Semester 1. **Classes:** 3 hour tutorials/week. **Prerequisites:** 18 junior credit points in no more than two subject areas, AND audition (contact the department one week before semester begins). **Prohibitions:** MUSC 2012. **Assessment:** (1) 40 minutes 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).

NB: 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, a tape of their performance, 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 MUSC 2612 and 2613 be taken over two consecutive semesters.

MUSC 2613 Arts Music Concert Performance 2

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Professor Winsome Evans. **Session:** Semester 2. **Classes:** 3 hour tutorials/week. **Prerequisites:** MUSC 2612. **Prohibitions:** MUSC 2013. **Assessment:** (1) 40 minutes 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, a tape of their performance, 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 MUSC 2612 and 2613 be taken over two consecutive semesters.

MUSC 2614 Composition Workshop 1

6 credit points. B A, B A, B Mus, B Mus, Dip Arts, UG Study Abroad Program. Professor Anne Boyd. **Session:** Semester 2. **Classes:** 2 hour workshop/week. **Prerequisites:** 12 junior credits in music. **Prohibitions:** MUSC 2610. **Assessment:** Attendance and participation in classes and concerts (20%), Submitted compositions, scores and recordings (70% equivalent to 5000 words), Programme notes and other aural and/or written presentations (10% equivalent to 1000 words).

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 are 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.

MUSC 2615 Advanced Concepts

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Professor Winsome Evans. **Session:** Semester 1. **Classes:** 2 hour lecture & 1 tutorial/week. **Prerequisites:** MUSC 1501 or MUSC 1504. **Prohibitions:** MUSC 2010. **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.

MUSC 2618 Arts Music Ensemble 1

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Professor Winsome Evans. **Session:** Semester 1. **Classes:** 4 tutorial hours/week. **Prerequisites:** 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. **Prohibitions:** MUSC 2018. **Assessment:** 1) Weekly tutorials (rehearsals in chosen group plus course tutorial) 2) Concert performance and administrative assistance. 3) A 3,000 word essay.

NB: 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, tone production, ear training and improvisation.

MUSC 2619 Arts Music Ensemble 2

6 credit points. B A, Dip Arts, UG Study Abroad Program. Associate Professor Winsome Evans. **Session:** Semester 2. **Classes:** 4 tutorial hours per week. **Prerequisites:** MUSC 2618. **Prohibitions:** MUSC 2019. **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, tone production, ear training and improvisation.

MUSC 2622 Music in the Sixties

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Cecilia Sun. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** 18 junior credits. **Prohibitions:** MUSC 2106. **Assessment:** 3,000 word essay and a listening journal (1,500 words). 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, as well as debates over the place of music in the academy and issues of Postmodernism. Music studied will include examples of Serialism, Experimental Music and Rock & Roll.

MUSC 2626 Australian Aboriginal Music

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor Allan Maret, Sally Treloyn. **Session:** Semester 1. **Classes:** 2 hour lecture/week, 1 hour workshop or film/week. **Prerequisites:** 18 Junior credit points in no more than two subject areas. **Prohibitions:** MUSC 2026. **Assessment:** One listening test (1000 word equivalent) and one 3000 word essay.

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

This unit of study will examine the music, text and dance of the major genres of Aboriginal music focusing on the role of song in religious and social life and the analysis of musical structure. The course will be illustrated with numerous films.

MUSC 2631 Fieldwork, Ethnography and Transcription

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Charles Fairchild. **Session:** Semester 1. **Classes:** 2 hour lecture/week. **Prerequisites:** 12 junior music credit points. Students will normally have completed either MUSC 1501 or MUSC 1504. **Prohibitions:** MUSC 2903. **Assessment:** Field project (oral and written presentation - 5000 words) (40%) three transcriptions - 500 words each (30%) critical readings and class participation (500 word analysis) (30%).

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

This unit is a prerequisite for BA Honours. 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.

MUSC 2633 Music Publishing

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 2 hour seminar/week. **Prerequisites:** 12 junior music credits. **Prohibitions:** MUSC 2033. **Assessment:** Three music notation assignments (70% - equivalent 4,500 words), written paper/presentation on an alternative music notation package OR electronic delivery system (20% - equivalent 1,500 words), attendance and participation (10%).

Effective visual presentation and delivery of musical material is tremendously important. Music Publishing is a largely practical unit in which participants will gain experience in using industry-standard music notation software. Alternative software packages will be examined and participants will examine a range of electronic delivery systems for musical notation, including fundamental web design. A working knowledge of music notation is essential to enrol in this course.

MUSC 2651 Australian and Asian Music 1

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor Allan Maret, Professor Anne Boyd. **Session:** Semester 1. **Classes:** 3 hour lecture/week and 3 one hour tut/semester. **Prerequisites:** 12 junior music credit points, one of which must be either MUSC 1501 or MUSC 1504. **Prohibitions:** MUSC 2501. **Assessment:** One 3000 word essay (50%), one tutorial paper (750 words - 20%) a listening test (750 words - 20%) attendance and participation (10%).

Australian musical culture including the influence of Aboriginal, Asian and Pacific music on musical composition in Australia since European settlement.

MUSC 2653 Introduction to Digital Music Techniques

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 2hr lecture/demonstration/week. **Prerequisites:** 18 Junior credit points in no more than two subject areas. **Prohibitions:** MUSC 2053. **Assessment:** Sound recording and editing assignment (20% - 2,000 words), three creative assignments (50% - 3000 words), class presentation (20% - 1000 words), attendance and participation (10%).

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.

MUSC 2654 Popular Music

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Charles Fairchild. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** 18 junior credit points. **Prohibitions:** MUSC 2054. **Assessment:** Short analysis (20% - 500 words), Listening test (30% - 500 words), Major Essay (40% - 5,000 words), Class participation (10%).

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

What does Australian Idol have in common with 19th century minstrelsy? How did African Americans help invent country music? Was there ever really a 'Dunedin Sound'? 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

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the role of popular music in everyday life. No prerequisites in music are needed to study this course.

MUSC 2666 A Global Sound: African American Music

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Charles Fairchild. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** 18 junior credit points. **Prohibitions:** SSCP 1002. **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 the adoption and adaptation of blues in Mali, salsa in the Caribbean, or hip-hop in France, we will examine how music moves around the world and within local communities to make new forms of meaning.

MUSC 2670 Music Festivals and their Administration

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Matthew Hindson. **Session:** Semester 1. **Classes:** 3-4 hours/week. **Prerequisites:** 18 junior credit points. **Prohibitions:** MUSC 2070. **Assessment:** Participation and involvement including small written tasks as appropriate (e.g. preparation of a sample budget), 70% equivalent to 3000 words of assessment. One 1500 word written submission (30%). This is a largely practical unit in which participants will be actively involved in the administration and management of musical festivals and/or concerts. They will learn the procedures and protocols necessary for a smooth behind-the-scenes operation of music event presentation through their own involvement as well as examination of other music festivals nationally and internationally.

MUSC 2671 The Songs & Symphonies of Gustav Mahler

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Professor Nicholas Routley. **Session:** Semester 2. **Classes:** 2 hours/wk. **Prerequisites:** 18 junior credit points. **Prohibitions:** MUSC 2071. **Assessment:** One class presentation equivalent to 2,000 words, and two 2,000 word essays.

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

A study of the relationship between the songs and symphonies of Mahler, in their cultural context.

MUSC 2680 The Sephardic Experience

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Professor Winsome Evans. **Session:** Semester 1. **Classes:** 2 hours lectures & 1 hour tut/week. **Assumed Knowledge:** The ability to read music. **Prerequisites:** 48 junior credit points. **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).

MUSC 2685 Music of Bach

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Cecilia Sun. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** 12 junior music credit points. **Assessment:** A listening test (equiv to 1500 words) and 3,000 word essay.

This course will study the life and works of J.S.Bach. Detailed analysis of a selected number of Bach's compositions, as well as those of his sons, will be combined with a study of the musical culture in which they worked and lived. Reception, performance practice issues (including embellishment), transcriptions (by Bach and others) will also be studied.

MUSC 2690 Music and Gender

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Cecilia Sun. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** 18 junior credit points. **Assessment:** One concert or CD review (1500 words). One essay (2,500 words).

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 include: operatic roles, contributions of women to both art and popular music, women in Indigenous Australian music, and the intersection of gender and race in hip-hop. No previous formal musical training required.

MUSC 2692 Dissonance and Desire

6 credit points. B A, Dip Arts, UG Study Abroad Program. Assoc Professors Winsome Evans & Nicholas Routley. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** 12 junior credits in Music, including MUSC 1501 or MUSC 1504. **Prohibitions:** MUSC 2902. **Assessment:** Six musical assignments each equivalent to 1000 words.

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

A study of the history of harmony, melody and rhythm in their mutual and intrinsic counterpoint from Ars Nova to Wagner. This unit will include exercises involving stylistic parody.

MUSC 2810 Music Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

MUSC 2812 Music Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

MUSC 2813 Music Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

MUSC 2817 Music Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

MUSC 2818 Music Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

MUSC 3010 Indigenous Australia: The Yolngu Way

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Aaron Corn. **Session:** Semester 1, Winter. **Classes:** 2 lectures and 1 tutorial/week. **Prerequisites:** KOCR 2100 Indigenous Australia. **Assessment:** One assignment of 1500 words (30%) and one assignment of 2500-3000 words (70%). This unit introduces the Indigenous intellectual and cultural traditions of the Yolngu of NE Arnhem Land in Australia's Northern Territory. The centrality of music, dance and design to Yolngu modes of discourse and expression will be examined. Students will gain a critical understanding of literature on Yolngu culture including key sources by Yolngu commentators and the broader implications of Yolngu discourses for cross-cultural research, and will be prepared to undertake Indigenous Australia: Garma Fieldwork (MUSC3011).

MUSC 3011 Indigenous Australia: Garma Fieldwork

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Aaron Corn. **Session:** Semester 2a. **Classes:** Students will receive in excess of 40 hours of contact with teaching staff and distinguished guest presenters under field conditions at the Garma Festival of Traditional Culture in North-East Arnhem Land in the early weeks of the semester. There will be one 2-hour induction seminar, and three 2-hour debriefing and assignment preparation seminars for students with teaching staff on campus spread across the remaining weeks of the semester. **Prerequisites:** KOCR 2100 Indigenous Australia and MUSC 3010 Indigenous Australia: The Yolngu Way. **Assessment:** One assignment of 1500 words (30%) and one assignment of 2500-3000 words (70%). Students will study the expression of Yolngu intellectual and cultural traditions through music, dance and design at the Garma Festival of Traditional Culture in NE Arnhem Land. Guest performances and presentations by Yolngu elders will demonstrate Yolngu modes of expression, and introduce applied skills for conducting fieldwork and engaging in inter-cultural discourses. Students will experience field research in cross-cultural contexts, and will learn to critically assess its broader theoretical, political and legal implications. This course will incur additional charges.

MUSC 3604 Arts Music Concert Performance 3

6 credit points. B A, Dip Arts. Assoc Professor Winsome Evans. **Session:** Semester 1. **Classes:** 3 hour tutorials/week. **Prerequisites:** MUSC 2613. **Prohibitions:** MUSC 3104. **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 in lunch-time concerts in the Great Hall, MacLaurin Hall and the Old Darlington School. Students receive a written report, a tape of their performance, 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 MUSC 3604 and 3605 be taken over two consecutive semesters.

MUSC 3605 Arts Music Concert Performance 4

6 credit points. B A, Dip Arts. Associate Professor Evans. **Session:** Semester 2. **Classes:** 3 hour tutorials/week. **Prerequisites:** MUSC 3604. **Prohibitions:** MUSC 3105. **Assessment:** (1) 50 minutes 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, a tape of their performance, 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 MUSC 3604 and 3605 be taken over two consecutive semesters.

MUSC 3606 Topics in Asian Music

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor Allan Maret. **Session:** Semester 2. **Classes:** 2 hour tutorials/week. **Prerequisites:** 18 junior credit

points in no more than two subject areas. **Assessment:** One 5,000 word essay and a Listening Test equivalent to 1,000 words.

This unit will introduce students to ethnomusicological research method through the exploration of specific topics in the field of Asian music. These will include topics such as: Japanese music history and performance, the music of China, Japan and Korea, the music of Indonesia, India and Pakistan.

MUSC 3608 Music Analysis

6 credit points. B A, B Mus, Dip Arts, UG Study Abroad Program. Assoc Professor Nicholas Routley, Sally Treloyn. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** MUSC 2692. **Prohibitions:** MUSC 3908. **Assessment:** Four musical and/or written assignments each equivalent to 1000 words. One class presentation, written up as a 2000 word essay.

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

An examination of principal approaches employed in the analysis of western and non-western music. These may include Australian Aboriginal music, Japanese, Indonesian and Indian music, as well as various approaches to the analysis of Western music. Theoretical questions surrounding the issue of musical analysis will be broached.

MUSC 3609 Musicology

6 credit points. B A, B Mus, Dip Arts, UG Study Abroad Program. Dr Cecilia Sun. **Session:** Semester 2. **Classes:** 2 hours/wk. **Prerequisites:** MUSC 2631. **Prohibitions:** MUSC 3904. **Assessment:** Critical readings (25% for oral presentation; 20% for written submission), bibliography assignment (40%), class participation (15%).

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

The course has two components: bibliography and critical readings in the musicology of western and non-western music. The bibliography provides instruction on the use of online resources, the development of a research topic, the preparation of an annotated bibliography, critical evaluation of a body of literature and is intended to prepare students for the writing of a research paper or thesis as part of 4th year Honours.

MUSC 3611 Composition Workshop 2

6 credit points. B A, B A, B Mus, Dip Arts, UG Study Abroad Program. Professor Anne Boyd. **Session:** Semester 2. **Classes:** 2 hr workshop/week. **Prerequisites:** MUSC 2614 or MUSC 2610. **Prohibitions:** MUSC 2611. **Assessment:** Attendance and participation in classes and concerts (20%), Four compositions, scores and/or recordings (70% equivalent to 5,200 words), Concert reviews and other aural and/or written presentations (800 words - 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 are 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 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 MUSC 2610.

MUSC 4011 Music Honours A

12 credit points. B A (Hons), Dip Arts(Hons). Professor Anne Boyd. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit results in MUSC 3609, and either MUSC 2631 or MUSC 3608, and a Music Major with credit average results in 36 senior credit points of MUSC units. **Prohibitions:** MUSC4021, MUSC4022, MUSC4023, MUSC4024, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044. **Assessment:** 15,000 - 20,000 word thesis (40%), Dissertation Seminar (20%), Performance, Composition or Musicology Special (20%) and a further 12 credit points in Arts or Music (20%).

NB: Department permission required for enrolment.

The Honours BA in Music is both a completion at a high standard of an academic education in music, and a preparation for postgraduate study in music. Intending Honours students should speak to the Honours co-ordinator before enrolling.

Honours requirements are:

Thesis

A thesis on a topic agreed with the course coordinator, but normally negotiated by the end of the previous year in the course of MUSC 3609. A research-based performance or a major composition up to half the total value of the course may, with permission of the Chair of Arts/Music Unit, be included as an integral part of the thesis. Individual fortnightly supervision throughout the year.

Dissertation Seminar

Classes: Semester 1. Two hours per week plus attendance at fortnightly research seminar throughout the year.

Assessment: bibliography assignment (30%) publication (30%) critical readings (30%) class participation (10%)

The course has three components: bibliography, critical readings in the musicology of western and non-western music and training in

the preparation of papers for publication. The critical bibliography is intended to assist students with the writing of their thesis.

Performance Special

A supervised performance project with Assoc Professor Winsome Evans.

Composition Special

A supervised composition project with Professor Anne Boyd

Musicology Special

A supervised musicology project with Professor Allan Marett

MUSC 4012 Music Honours B

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MUSC4011. **Prohibitions:** MUSC4021, MUSC4022, MUSC4023, MUSC4023, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044.

Refer to MUSC 4011

MUSC 4013 Music Honours C

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MUSC4012. **Prohibitions:** MUSC4021, MUSC4022, MUSC4023, MUSC4023, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044.

Refer to MUSC 4011

MUSC 4014 Music Honours D

12 credit points. B A (Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** MUSC4013. **Prohibitions:** MUSC4021, MUSC4022, MUSC4023, MUSC4023, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044.

Refer to MUSC 4011

Pali (no major available)

PALI 1001 Pali A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Peter Oldmeadow. **Session:** Semester 1. **Classes:** 3 hours per week. **Assessment:** Assignments and examination.

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 Indie 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)

PALI 1002 Pali B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Peter Oldmeadow. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** PALI 1001. **Assessment:** Assignments and examination.

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)

Performance Studies

PRFM 1801 Performance Studies Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2.

NB: 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.

PRFM 2601 Being There: Theories of Performance

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Maxwell. **Session:** Semester 1. **Classes:** 2 x 1hr lectures, 1 x 1hr tutorial/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:** PRFM 2001 Being There: Theories of Performance. **Assessment:** 1500 word take-home examination, 1000 word mid-semester essay, tutorial assignment, continuous assessment.

In this unit of study, students are introduced to some key periods in the history of theatre and performance, with the aim of contextualising current Australian practices. Students are introduced to anthropological and intercultural perspectives in order to locate theatre and other genres within a broad spectrum of performance. Additionally, this unit of study addresses methodological issues concerning the historiography of performance, with particular attention paid to sources other than play-texts.

Textbooks

Selected readings available through Copy Centre.

PRFM 2602 An Audience Prepares

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Dwyer. **Session:** Semester 2. **Classes:** 2 x 1hr lectures/week 1 x 2hr seminar/every 2nd 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:** PRFM 2002 An Audience Prepares.. **Assessment:** One 500 word performance questionnaire; tutorial assessment equivalent to 1000 words; one 1500 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.

PRFM 2603 Between Impro & Text: Making Performance

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Dwyer. **Session:** Semester 1. **Classes:** 2 x 2hr seminar/week, 1 x 2hr workshop/every 2nd 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:** PRFM 3005 Flexible Performance and PRFM 3016 Playwright in the Theatre and PRFM3014 Translation for Performance.. **Assessment:** 3000 word essay, 1000 word text analysis, individual formative task and group formative task.

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.

PRFM 2604 Sociology of Theatre

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Maxwell. **Session:** Semester 2. **Classes:** 3 hours/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:** PRFM 3012 Sociology of Theatre.. **Assessment:** 1500 word take-home examination, group presentation and 1500 word portfolio, 1000 word formative literature summary.

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 from Copy Centre.

PRFM 3601 Anthropology of Performance

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Lewis. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units. **Prohibitions:** PRFM 3017 Anthropology of Performance and PRFM 3025 Anthropology of Performance.. **Assessment:** One midterm exam (equivalent to 2500 words) and one essay of 3500 words.

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

In recent decades, 'performance' has emerged as a central concept in several academic disciplines, from anthropology to sociology, theatre, dance, linguistics, and gender studies. The class will examine theories used to focus these interests, including: semiotics, ritual, play, framing, embodiment and emplacement. The main work will be to explore how such perspectives help researchers to understand the cultural significance of special events. The class will conclude with an in-depth study of two performance types drawn from diverse social worlds.

Textbooks

Reader available from Copy Centre plus two textbooks (variable).

PRFM 3602 Playing Around with Theatre History

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ginters. **Session:** Semester 2. **Classes:** 2 lectures/week, 1 tutorial/week. **Prerequisites:** PRFM 2001 or PRFM 2601 Being There: Theories of Performance and PRFM 2002 or PRFM 2602 An Audience Prepares. **Assessment:** 2500 word take home exam, 1000 word essay, group presentation equivalent to 1000 words.

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

This course reflects on the issues and methods that constitute theatre history and its relationship to Performance Studies. We will consider the source materials on which theatre history is based and some genres of historical scholarship. We will study some of the canonical texts of the European tradition (from Aristotle to Brecht) and consider the extent to which these descriptions and theorisations of creative

practice continue to be influential in the work of contemporary theatre and performance practitioners.

Textbooks

Selected readings available at Copy Centre.

PRFM 3603 Playing Politics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Dwyer. **Session:** Semester 1. **Classes:** 1 x 2hr Lecture/week, 1 x 2hr workshop/for 8 weeks. **Prerequisites:** PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units. **Prohibitions:** PRFM 3015 Performance and Politics and PRFM 3026 Playing Politics.. **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.

PRFM 3604 Embodied Histories

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Card. **Session:** Semester 1. **Classes:** 3 hours/week in seminar mode. **Prerequisites:** PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. **Prohibitions:** PRFM3021 Embodied Histories. **Assessment:** One 3000 word essay, One literature summary (1500 words).

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.

PRFM 3605 Performance: Hybridity and Appropriation

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Card. **Session:** Semester 2. **Classes:** 3 hours/week in seminar mode. **Prerequisites:** PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. **Prohibitions:** PRFM3023 Intercultural Performance and PRFM3028 Performance:Hybridity and Appropriation. **Assessment:** One 3000 word essay, one critical literature summary (1500 words).

This unit will analyse hybridity and appropriation within the development of contemporary dance/performance practices in Australia and the United States. Integral to this investigation will be the development of an historical understanding of notions of innovation and ownership in western art practices. With reference to these concepts, we will investigate the appropriation of Indigenous dance forms from the 1950's and the development of hybrid dance practices by Indigenous and non-Indigenous choreographers since the 1970's in Australia, Britain and the United States.

PRFM 3606 Theories of Acting

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Maxwell. **Session:** Semester 2. **Classes:** 1 x 2hr Lecture/week, 1 x 2hr workshop/for 8 weeks. **Prerequisites:** PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. **Prohibitions:** PRFM 3022 Theories of Acting.. **Assessment:** One 3000 word essay; One group presentation plus write up (1000 words); One formative literature summary equivalent to 500 words.

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

PRFM 3609 Performing Australia

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr I Maxwell. **Session:** Semester 1. **Classes:** 3 hrs/week. **Prerequisites:** PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. **Prohibitions:** SSCP1001 Performing Australia. **Assessment:** Formative Task(250 words); Media Task (250 words); Critical article summary (1000 words); Group research work (2000 words); Take Home exam (500 words).

How do various performance practices (music, theatre, hybrid, popular culture) reflect and/or construct a sense of what Australia is or could be? This unit will examine a range of practices, from local Hip Hop to productions by Opera Australia, from Indigenous ceremony in central Arnhem Land to the Olympics opening ceremony. Underpinning these cases, the key theoretical concern of the unit

will be to interrogate the notion of "Performance" itself, drawing upon theories of performativity and identity.

PRFM 3961 Rehearsal Studies

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ginters. **Session:** Semester 1. **Classes:** 3 hours/week in seminar mode. **Prerequisites:** Credit results in PRFM 2001 and PRFM 2002 or 18 credit points with credit results in PRFM 2600 units including PRFM 2601 and PRFM 2602. **Corequisites:** PRFM 3962 and sufficient units for a major in Performance Studies.. **Assessment:** One 2500 word essay, 1500 word tutorial paper, formative assessment and preparation for seminar discussions.

NB: This unit is available as a designated 'Advanced' unit to students 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 ground-work 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.

PRFM 3962 Rehearsal to Performance

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Ginters. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** PRFM 3901 or PRFM3962 and credit results in PRFM 2001 and PRFM 2002 or 18 credit points with credit results in PRFM 2600 units, including PRFM 2601 and PRFM 2602. **Corequisites:** PRFM 3691 and sufficient units for a major in Performance Studies.. **Assessment:** One 4500 word Casebook of rehearsal process.

NB: This unit is available as a designated 'Advanced' unit to students 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

Reader will be available from Week 1.

PRFM 4011 Performance Studies Honours A

12 credit points. B A (Hons). Co-ordinator: Dr Dwyer. **Session:** Semester 2, Semester 1. **Prerequisites:** Credit results in PRFM 3901 and PRFM 3902, and credit average in a further 32 credit points of PRFM units. **Assessment:** 5000 words (in essays and papers) for each of the three coursework seminars listed below; 12,000 -15,000 word casebook on fieldwork experience; 12,000-15,000 word dissertation. Intending Honours students should speak to the Honours co-ordinator before enrolling.

NB: Department permission required for enrolment.

The Honours year brings theory and practice together in mutually illuminating ways. The first semester involves coursework seminars, as well as participation (unassessed) at a number of practical workshops, an honours group supervision meeting and postgraduate seminars. In second semester students complete research for their dissertation and go on placement to observe training/rehearsal processes in a professional arts organisation. This placement provides the basis for the casebook.

Honours requirements are:

Coursework Seminar: Embodiment

Dr Lewis. **Classes:** 2 hours/week. **Assesment:** 5000 words in essays and papers. Semester 1

Recent interest in theories (and practices) which refigure or mediate the mind/body distinction, so long dominant in Western academia, have abounded in many disciplines in the last twenty years. An initial interest in bodies and conceptions of bodies has given way, in many cases, to a focus on the process of human embodiment, seen as an existential or ontological problem. This unit will examine a spectrum of approaches to embodiment (especially European and American phenomenologies, but also poststructuralist and feminist ideas) which have been applied to human interactions and performances in a range of sociocultural settings. A serious engagement with these approaches will lead to a problematics of the theory-practice dichotomy itself, a timely issue in anthropology, performance studies, and many interdisciplinary projects.

Coursework Seminar: Contemporary Performance (including practical workshops)

Dr Dwyer. **Classes:** 2 hours/week. **Assessment:** 5000 words in essays and papers. Semester 1.

This unit examines the history, development and theoretical influences on contemporary performance genres, with a specific focus on work happening in Sydney. In addition, students will be expected to use the seminar as a forum for unpacking their experiences in a series of practical workshops with artists in residence at the Department. The workshops happen at a separate time to the seminar.

Dissertation (approximately 12,000-15,000 words)

To be written on a topic selected by the candidate after discussion with the Honours Coordinator and the approved supervisor. Students may wish to choose a topic that builds on the field observations of the placement/casebook assignment (see below) but this is by no means obligatory. The important point is that the dissertation must engage with a clearly defined theoretical question and that it must advance an argument, based on the student's familiarity with the views of other authors and on some coherently pursued (primary and or secondary) research.

Fieldwork/Casebook assignment

Fieldwork placements will be arranged as early as possible in the year on the basis of discussions between students, the Honours Coordinator and other staff. Students are encouraged to nominate events/productions/companies or genres of performance that they would like to observe in development. The placement should entail observation of a more-or-less complete training/rehearsal process involving professional arts practitioners. The written casebook is an ethnographic account of this process.

PRFM 4012 Performance Studies Honours B

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** PRFM4011.

RefertoPRFM4011

PRFM 4013 Performance Studies Honours C

12 credit points. B A (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** PRFM4012.

RefertoPRFM4011

PRFM 4014 Performance Studies Honours D

12 credit points. B A (Hons). **Session:** Semester 2, Semester 1. **Corequisites:** PRFM4013.

RefertoPRFM4011

Philosophy

PHIL 1010 Society, Knowledge and Reason

6 credit points. B A, B Ec (Soc Sc), B Int S, B S T, Dip Arts, UG Study Abroad Program. Dr Grumley, Dr Russell and TBA. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prohibitions:** PHIL1001 and PHIL1002. **Assessment:** 1 x 500 word assignment (10%); 1 x 2000 word essay (30%); 1 x 2hr exam (60%).

This unit is an introduction to central issues in political philosophy, theories of knowledge and methods of critical reasoning. 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 the nature of argument, validity and truth.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 1011 Reality, Ethics and Beauty

6 credit points. B A, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program. Dr Braddon-Mitchell/Dr Macarthur/Dr West. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prohibitions:** PHIL1003, 1004, 1006, 1008. **Assessment:** 1 x 500 word assignment (10%); 1 x 2000 word essay (30%); 1 x 2hr exam (60%).

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 aesthetic judgement and the value of beauty.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 1012 Introductory Logic

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program. Dr Bacon. **Session:** Semester 2. **Classes:** 2 x 1hr lecture and 1hr tutorial per week. **Assessment:** Weekly exercises and exam.

The construction of valid deductive arguments involving sentence connectives and quantifiers, translated from English into logical notation.

Textbooks

Bacon, J. Basic Logic, vol.1; available from the University Copy Centre.

PHIL 1016 Mind and Morality HSC

6 credit points. B A, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. **Session:** S1 Late Int, S2 Late Int, Summer.

PHIL 1801 Philosophy Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

5. Undergraduate units of study

PHIL 2605 Locke and Empiricism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr P Anstey. **Session:** Semester 2. **Classes:** One 2 hour lecture and 1 one hour tutorial a week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL3005, PHIL 2005. **Assessment:** 2000 word essay + one exam.

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)

PHIL 2606 Knowledge, Reason and Action

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr N Smith. **Session:** Semester 2. **Classes:** 2 hours of lectures, one hour of tutorials. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** One 2500 word essay and one 2 hour exam. This course covers three topics in epistemology: what knowledge is, how it can be obtained, and what to do with it. The first component involves a study of the nature of knowledge, and the various attempts to define it. The second is concerned with principles of reason and investigation, and how to assess whether they are good sources of knowledge. The final component is to do with the theory of decision: what methods should be used to apply knowledge in the choice of action.

PHIL 2607 Eighteenth Century French Philosophy

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hours of lectures, 1 hour of tutorials. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** One 3000 word essay and one 2 hour exam.

This course examines the thought of the central French philosophers of the eighteenth century from Voltaire to Buffon. The impact of the new science, Locke's empiricism and Spinoza's religious scepticism will be traced through the encyclopaedists Diderot and d'Alembert and the philosophy of language of Condillac. The course will also examine the Enlightenment debate over the nature of species.

Textbooks

The Encyclopedia of Diderot and d'Alembert: Collaborative Translation Project, available online at <http://www.hti.umich.edu/d/did/index.html>
Jean Le Rond d'Alembert, *The Preliminary Discourse to the Encyclopedia of Diderot*, trans. R.N. Schwab, Chicago: University of Chicago Press, 1995.
"Philosophical Writings of Etienne Bonnot, abbe de Condillac", 2 vols, trans. Franklin Philip, NJ: L.Erlbaum Associates, 1987.

PHIL 2609 Contemporary French Philosophy

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Dr L Secomb. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial a week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 2409. **Assessment:** Two 2250 word essays.

An introduction to central themes from post-structuralist philosophy, such as identity and difference, the nature of thought and language, philosophy and literature, law and politics. The unit of study will involve close reading of selected texts primarily chosen from those by Deleuze and Derrida. Some attention will also be paid to other French philosophers such as Foucault, Irigaray and Kofman.

PHIL 2611 Problems of Empiricism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr A Heathcote. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial a week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 2211, PHIL3211. **Assessment:** Two essays (total 4500 words).

This unit will examine three problems that are part of the legacy of Empiricism: (i) the issues of induction, causation and causal explanation in science; (ii) the arguments from Berkeley and Hume concerning the external world; and (iii) the case of post-Humean ethical theory. Throughout we will be looking to the modern manifestations of these problems and the ways they might be rectified. We also look to emphasise the importance of these issues for the development of psychology of perception.

Textbooks

Readings will be available from University Copy Centre.

PHIL 2612 History of Ethics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr J Bacon. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 2512, 3512. **Assessment:** One 2500 word essay and one exam.

The nature of duty and the good: how we ought to live and what is valuable in life. A selective survey of Western normative ethical theory from Plato to Mill.

Textbooks

Kant, I.: *Grounding for the Metaphysics of Morals* (Hackett, Indianapolis 1981).
Readings available from University Copy Centre

PHIL 2613 Plato and Aristotle

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr R Benitez. **Session:** Semester 2, Summer. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 3013, PHIL2013. **Assessment:** One essay (2500 words) and one take-home exam.

An examination of the major philosophical themes to be found in the works of Plato and Aristotle, with close attention to a few central works. The course emphasises understanding the ways these philosophers think rather than learning a body of doctrine.

Textbooks

Readings available from the University Copy Centre.

PHIL 2615 Intermediate Logic

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 2. **Classes:** One 2 hour lecture and one 1 hour tutorial a week. **Prerequisites:** 12 Junior credit points in Philosophy and PHIL1012 or PHIL2203. **Prohibitions:** PHIL 3215 and 2215. **Assessment:** Exam and weekly exercises.

NB: This unit is available as a designated 'Advanced' unit to students 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.

PHIL 2617 Practical Ethics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr C West. **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.

NB: This unit is available as a designated 'Advanced' unit to students 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.

PHIL 2618 Aesthetics and Art

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr D Macarthur. **Session:** Semester 2. **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.

NB: This unit is available as a designated 'Advanced' unit to students 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.

PHIL 2621 Truth, Meaning and Language

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Drs A Heathcote and N Smith. **Session:** Semester 1. **Classes:** 2 hours of lectures and 1 hour of tutorials. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** One 2500 word essay and one 2 hour exam.

This course 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.

PHIL 2622 Reality, Time & Possibility: Metaphysics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr N Smith. **Session:** Semester 1. **Classes:** 2 hours of lectures and 1 hour of tutorials 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 course 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?

PHIL 2623 Moral Psychology

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr L Russell. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 2513, 3513. **Assessment:** One 2500 word essay and one 2000 word take-home exam.

NB: This unit is available as a designated 'Advanced' unit to students 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 course 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.

PHIL 2624 Meaning in History

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr B C Christensen. **Session:** Semester 2. **Classes:** one 1-hour tutorial and one two-hour lecture a week. **Prerequisites:** 12 junior credit points in Philosophy. **Prohibitions:** PHIL2224. **Assessment:** two 2250-word essays.

What is it to understand texts, historical artefacts, works of art and human actions? Philosophical hermeneutics answers this question by interpreting the very structure of human life and experience as 'hermeneutical'. After a brief survey of Schleiermacher and Dilthey the course focuses on Hans-Georg Gadamer's "Truth and Method". In particular, we ask whether Gadamer's critique of Romantic hermeneutics is right and whether hermeneutics is too deferential towards tradition, hence inherently conservative. Towards the end, contemporary critics of philosophical hermeneutics will be considered, in particular, Hirsh, Habermas and Derrida.

PHIL 2626 Philosophy and Psychoanalysis

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr S Winfield. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial a week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2207, PHIL3207, PHIL2626 and PHIL3226. **Assessment:** One 1500 word assignment and one 3000 word essay.

An analysis and critique of the main ideas in Freudian psychoanalysis, their philosophical background, and their influence in subsequent philosophy of mind.

Textbooks

Freud, S. Introductory Lectures in Psychoanalysis, Wollheim, R. Freud.

PHIL 2627 Philosophy and Psychiatry

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr S Winfield. **Session:** Semester 2. **Classes:** One 2hour 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.

PHIL 2628 Elementary Logic

6 credit points. B A, B Ec (Soc Sc), Dip Arts, UG Study Abroad Program. Dr Bacon. **Session:** Semester 2. **Classes:** two 1-hour lectures and one 1-hour tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Prohibitions:** PHIL 1012, 3203, 2201, 3201 and 2203. **Assessment:** Weekly exercises and exam.

Criteria of valid reasoning: extensive practice applying rules of deduction to draw correct conclusions from given premises couched in a special symbolic language. Both sentence connectives and quantifiers will be covered.

Textbooks

Bacon, John. Basic Logic (vol.1) Available from the University Copy Centre.

PHIL 2629 Descartes and Continental Philosophy

6 credit points. B A, B Ec (Soc Sc), Dip Arts, UG Study Abroad Program. Dr P Anstey. **Session:** Semester 1. **Classes:** one 2-hour lecture and one 1-hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 2004 and 3004. **Assessment:** one 2000-word essay and one exam.

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

Descartes is generally regarded as the founder of modern philosophy, and in this course 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 course

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 course, 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)

PHIL 2633 Theories of Modernity 1

6 credit points. B A, B Ec (Soc Sc), Dip Arts, UG Study Abroad Program. Dr Grumley. **Session:** Semester 2. **Classes:** one 2-hour lecture and one 1-hour tutorial per week.

Prerequisites: 12 junior credit points in Philosophy. **Prohibitions:** PHIL 1007 and 2533. **Assessment:** one 2000-word essay and one 2500-word take-home exam.

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

A survey of a range of classical 19th century theories from the standpoint of what they offer to the understanding of the newly emerging modern bourgeois social world. The work of Hegel, Marx, de Tocqueville, and Nietzsche will serve as paradigmatic attempts to discover the essence of this new society. Recurring themes and features will be examined through the prism of these thinkers: these include the problem of meaning after the collapse of tradition, the rise of secularism, capitalism, industrialisation, democracy, bureaucratisation and individualism ~ their features, antinomies and problems. The course is also intended as an introduction to the thinkers concerned while focusing in each case on their theorisation of modernity.

PHIL 2634 Democratic Theory

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Dr Ivison. **Session:** Semester 1. **Classes:** one 2-hour lecture and one 1-hour tutorial a week. **Prerequisites:** 12 junior credit points in Philosophy. **Prohibitions:** PHIL2514. **Assessment:** one 2000-word essay and one 2500-word take-home exam.

A course 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.

PHIL 2635 Contemporary Political Philosophy

6 credit points. B A, Dip Arts, UG Study Abroad Program. Professor M Gatens. **Session:** Semester 2. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL3535 and PHIL2535. **Assessment:** One 2500 word essay and one 2000 word take-home exam.

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

A critical introduction to the major schools of thought in contemporary political philosophy. In the latter part of the unit of study, debates around the topic of cultural difference will be considered.

Textbooks

Kymlicka, W. Introduction to Contemporary Political Philosophy, OUP, 2nd edition. Plus reader available from the Copy Centre.

PHIL 2638 Husserl's Phenomenology

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Dr Christensen. **Session:** Semester 1. **Classes:** one 2-hour lecture and one 1-hour tutorial a week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2238. **Assessment:** two 2250-word essays.

Understanding Edmund Husserl's phenomenology is essential for understanding so-called 'continental' philosophy, and for setting it in relation to the other great tradition of 20th century philosophy, namely, Anglo-American 'analytic' philosophy. Husserl's phenomenological approach to philosophy raises issues for, and constitutes a recognisable position in, contemporary debates about the possibility of a scientific psychology. Before turning to Husserl himself, we will focus on the concept of intentionality and the issues it raises for a conception of psychology as natural science.

PHIL 2639 Heidegger's Phenomenology

6 credit points. B A, B Ec (Soc Sc), Dip Arts, UG Study Abroad Program. Dr Christensen. **Session:** Semester 2. **Classes:** one 2-hour lecture and one 1-hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL.2239. **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

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ger's critique of his teacher, Edmund Husserl, the relevance of Heidegger's work for cognitive science and whether Heidegger can be understood as an existentialist or a pragmatist - or neither.

Textbooks

Martin Heidegger, *Being and Time* (trans. J. Macquarrie & E. Robinson)

PHIL 2640 Sustainability, System and Society

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr B Christensen. **Session:** Semester 2. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2240. **Assessment:** Two 2250 word essays.

NB: NB: This course is taught in collaboration with the Department of Design, Faculty of Design, Building and Architecture, UTS.

Is sustainability just a matter of green product labelling? Of radical eco-efficiency? Of mimicking nature? Or of living more frugally and communally? And do sustainable products and systems presuppose a sustainable society which regulates design, production and consumption through political and philosophical reflection on what it is to "live well"? This course examines "technological" notions of the sustainable in order to expose their dependence on the political and philosophical.

Textbooks

A selection of readings from diverse authors will be available from the University Copy Centre

Recommended Reading

Borgman, Albert, *Technology and the Character of Contemporary Life*, Chicago: University of Chicago Press, 1984

Botkin, Daniel, *Discordant Harmonies*, New York: Oxford University Press, 1994

Bramwell, Anna, *Ecology in the 20th Century: A History*, New Haven: Yale University Press, 1992

Davidson, Aiden, *Technology and the Contested Meanings of Sustainability*, Albany, SUNY Press, 2001

Fischer, Frank and Marteen Haajer, *Living with Nature: Environmental Politics as Cultural Discourse*, New York: Oxford University Press, 1999

Hawken, Paul, *Natural Capitalism: The Next Industrial Revolution*, Boston: Little, Brown and Company, 2000

Jonas, Hans, *The Imperative of Responsibility*, Chicago: University of Chicago Press, 1984

Manzini, Ezio and Jegou, Francois, *Sustainable Everyday: Scenarios of Urban Life*, Milano: Edizioni Ambiente, 2003

McDonough, William and Braungart, Michael, *Cradle-to-Cradle: Remaking the Way We Make Things*, New York: North Point, 2002

Orr, David W. *The Nature of Design: Ecology, Culture, and Human Intention*, Oxford: Oxford University Press, 2002

Plumwood, Val, *Environmental Culture*, Routledge, 2002

Worster, Donald, *The Wealth of Nature: Environmental History and the Ecological Imagination*, New York: Oxford University Press, 1994

PHIL 2641 Classic German Philosophy

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Dr P Redding. **Session:** Semester 1. **Classes:** 2 hours of lectures and 1 hour of tutorials a week. **Prerequisites:** 12 credit points in Philosophy. **Prohibitions:** PHIL3011. **Assessment:** One 1000 word tutorial exercise, one 500 word essay outline, and one 2500-3000 word essay.

This course surveys German Philosophy from the pre-critical work of Kant through to Nietzsche. The first half of the course examines the main aspects of Kant's "Copernican revolution" as played out in his three Critiques. The second half of the course examines extensions and transformations of Kant's philosophy by critical appropriation extending from Fichte to Nietzsche. Throughout, the philosophical views involved will be related more generally to questions of science, morals and politics, art and religion.

PHIL 2642 Critical Thinking

6 credit points. B A, Dip Arts, UG Study Abroad Program. Drs L Russell and N Smith. **Session:** Semester 2. **Classes:** 2 hours of lectures and 1 hour of tutorials. **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 course 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.)

PHIL 2643 Philosophy of Mind

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Braddon-Mitchell. **Session:** Semester 1, Summer. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL 2213, 3213 and 2205. **Assessment:** Essay and take-home exam.

NB: This unit is available as a designated 'Advanced' unit to students 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.

PHIL 2804 Philosophy Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

PHIL 2805 Philosophy Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

PHIL 2806 Philosophy Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

PHIL 2810 Philosophy Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

PHIL 2811 Philosophy Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

PHIL 3612 Origins of Analytic Philosophy

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr D Macarthur. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 16 Senior credit points in Philosophy. **Prohibitions:** PHIL3012. **Assessment:** One 2500 word essay and one 2 hour exam.

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

Analytic philosophy shifted the central concern of philosophy from questions of knowledge to questions of language, meaning and logic. This unit will consider writings by Moore, Russell, Frege, Wittgenstein, and Carnap in order to explore topics such as the break with German Idealism, logicism, anti-psychologism in the philosophy of logic, Moore's "naturalistic fallacy," and the logical underpinnings of linguistic meaning. One important concern of the course will be the various philosophical conceptions of "analysis".

Textbooks

Arthur Sullivan ed. *Logicism and the Philosophy of Language* (Broadview paperback, 2003).

Ludwig Wittgenstein, *Tractatus Logico-Philosophicus*, trans. D. Pears & B. McGuinness (Routledge, 1921/1974).

PHIL 3615 Pragmatism

6 credit points. B A, B Ec (Soc Sc), UG Study Abroad Program. Dr M McMahon. **Session:** Semester 2. **Classes:** one 2-hour lecture and one 1-hour tutorial a week. **Prerequisites:** 12 credit points in Philosophy. **Prohibitions:** PHIL3015. **Assessment:** one 1000-word tutorial exercise, due early in the course, one 500-word essay outline and one 3000-word essay.

"Pragmatism" will consider of the emergence of pragmatism as a distinct philosophical outlook in the United States through an examination of key works of C. S. Peirce, William James, and John Dewey. In particular the course will focus on the pragmatists' approaches to philosophy of mind, their theories of knowledge, and their conceptions of logic.

PHIL 3618 Pre-Honours Seminar

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr John Grumley. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 24 Senior credit points in Philosophy. **Prohibitions:** PHIL2204, PHIL3204 and PHIL3218. **Assessment:** Two 2250 word essays.

A study of selected issues and texts of broad importance and interest in contemporary philosophy. This course is intended for students considering an Honours year in Philosophy. Much of the course will be taught in seminar format, in which students will be expected to present short discussion papers.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 4011 Philosophy Honours A

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons). Dr Bacon. **Session:** Semester 1, Semester 2. **Prerequisites:** 48 points of Philosophy at Senior level, with a credit average or better, and including 8 points from each of the three programs (History of Philosophy; Epistemology, Metaphysics & Logic; Moral & Political Philosophy). Intending Honours students are strongly encouraged to take the Pre-honours Seminar (PHIL3218), and to discuss their course choices with the Honours Coordinator at the beginning of their third year. The Department places importance on the breadth of the philosophical education of its Honours graduates, and encourages intending Honours students to avoid over-specialisation at Senior level. **Assessment:** All of the major components of the Honours year will be assessed.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

PHIL 4012 Philosophy Honours B

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons). **Session:** Semester 2, Semester 1. **Corequisites:** PHIL4011.

See PHIL4011

PHIL 4013 Philosophy Honours C

12 credit points. B A (Hons), B Ec (Soc Sc) (Hons), Dip Arts(Hons). **Session:** Semester 2, Semester 1. **Corequisites:** PHIL4012.
SeePHIL4011

PHIL 4014 Philosophy Honours D

12 credit points. B A (Hons), B Ec (Soc Sc) (Hons), Dip Arts(Hons). **Session:** Semester 2, Semester 1. **Corequisites:** PHIL4013.
SeePHIL4011.

Studies in Religion**RLST 1001 Paths to Enlightenment**

6 credit points. B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Cusack. **Session:** Semester 1, Winter.

Classes: 2 lectures, 1 film hour and 1 tutorial/week. **Assessment:** One 1 hour exam (30%), one 2500 word essay (50%) and one tutorial presentation (20%).

This unit of study examines the various paths to enlightenment prescribed by Aboriginal Australia and Asia (India, China and Japan). Students specialise in traditions and themes of their own choice in writing essays.

Textbooks
Course Reader

RLST 1002 The History of God

6 credit points. B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr. Cusack. **Session:** Semester 2, Summer.

Classes: one 2 hr lecture, one film hour and one 1 hr tutorial. **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 monotheism (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

RLST 1801 Religious Studies Exchange

6 credit points. B A, Dip Arts. **Session:** Semester 1, Semester 2. **Prohibitions:** Department permission required for enrolment.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 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.

SUFI 2601 Sufism: The Mystical Tradition of Islam

6 credit points. B A, UG Study Abroad Program. Dr Gardner. **Session:** Semester 1. **Classes:** one 2hr lecture and one 1hr tutorial. **AssumedKnowledge:** 12 Junior credit points in Religion Studies or Arab and Islamic Studies, or their equivalent to be assessed by the Department. **Assessment:** 2,000w essay, text based assignment (1,500w), tutorial presentation (1,000w).

NB: Department permission required for enrolment.

This unit focuses on Islamic mysticism, and introduces the fundamental concepts, doctrines, practices and institutions of Sufism. It examines Sufism's foundation in the Qu'ranic revelation, its subsequent development, and its significance within Islamic civilization.

Textbooks
Course Reader

RLST 2605 Christianity and the Medieval World

6 credit points. B A, B Ec (Soc Sc), Dip Arts, UG Study Abroad Program. Dr Cusack.

Session: Semester 1. **Classes:** one 2 hour lecture & one 1 hour tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** Two 2000 word essays, 1000 word tutorial presentation. This course is a survey of the Christian religion in the Medieval social setting. History, theology and philosophy are featured as are popular religious phenomena.

Textbooks
A Course reader will be available.

RLST 2609 Theravada Buddhism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Crangle. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion studies. **Prohibitions:** RLST 2009. **Assessment:** one 2,000w essay, one 1,000w tutorial presentation, 1,500w take-home examination.

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

This introductory survey is designed to give students a firm and sympathetic understanding of the basic principles of Early Buddhism as a philosophy and as a way of life. The emphasis of the course will be doctrinal and philosophical.

Textbooks
Course Reader

RLST 2610 Mahayana Buddhism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Crangle. **Session:** Semester 2. **Classes:** one 2hr lecture and one 1hr tutorial/wk. **AssumedKnowledge:** 12 Junior credit points in Religion, or their equivalent as assessed by the department. **Assessment:** 2000 word essay, 1000 word tutorial presentation.

This unit surveys Mahayana (Great Way) Buddhism, which developed in India and spread to Tibet, Central Asia, China, Mongolia, Vietnam, Korea and Japan.

Textbooks
Course Reader

RLST 2611 Monotheism: Judaism and Islam

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Gardner. **Session:** Semester 2. **Classes:** one 2 hr lecture, one 1 hr tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Prohibitions:** RLST2011. **Assessment:** One 2000 word essay, 1000 word tutorial presentation, 1500 word take-home exam.

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

This unit of study addresses the historical, socio-cultural and theological development of these two monotheistic religions. It is comparative and thematic in approach, examining the ways in which both these traditions deal with topics such as God and transcendence, faith and reason, human potential and human relations, the natural world and progress. Textual study (in English translation) will include extracts from scriptural, ethical, mystical and literary works.

Textbooks
Course Reader

RLST 2612 Dualism: Zoroaster, Gnosis & Manichaeism

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Gardner. **Session:** Semester 1. **Classes:** one 2 hour lecture & one 1 hour tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Prohibitions:** RLST2012. **Assessment:** One 2000 word essay, 1000 word tutorial presentation, 1500 word take-home exam.

Provides an overview of the Zoroastrian, Gnostic and Manichaean traditions, with particular emphasis on certain topics and themes. Such include: Zoroaster and the context of Indo-Iranian religion; Christian gnosis; Hermeticism and alchemy; Manichaeism; dualism and the problem of evil; apocalypse and eschatology.

Textbooks
Course Reader

RLST 2620 Contemporary Religion and Politics

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Cusack. **Session:** Semester 2. **Classes:** one 2 hour lecture and one 1hr tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Prohibitions:** RLST2020. **Assessment:** Two 2,250 word essays.

The twentieth century faced an unprecedented range of near-global crises - wars, depression, communist-capitalist confrontation, ethnic conflict, epidemics, ecological disasters, extraordinary technological advance, sharpened north/south inequalities, 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 (or rather a selection of them chosen for a semester's work) 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

RLST 2626 Witchcraft, Paganism and the New Age

6 credit points. B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School. Dr Cusack. **Session:** Semester 1, Summer. **Classes:** one 2 hour lecture & one 1 hour tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Prohibitions:** RLST2026. **Assessment:** One 1000 word book review, one 3000 word essay, tutorial participation.

The rebirth of paganism progressed steadily throughout the twentieth century. Pagans celebrate diversity and heterogeneity, in sharp contrast to the major Western traditions which were exclusive and doctrinally prescriptive. The interrelationships between pagans, goddess worshippers and witchcraft/occultism are fascinating and labyrinthine. This course will explore three areas of modern religion, and attempt to assess the importance of their contribution for the future of religion.

Textbooks
Course Reader

RLST 2628 Religion and Film

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Cusack. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **AssumedKnowledge:** 12 junior credit points of Religion studies, or their equivalent to be assessed by the Department. **Prohibitions:** RLST2028. **Assessment:** 1500 take-home exam, 2000 word essay, tutorial presentation.

This unit analyses the position of religion in a range of films, such as the presentation of Buddhism in recent Western films (Kundun,

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Little Buddha, Seven Years in Tibet); the image of Christianity in 'sword and sandal' epics (Ben Hur, Quo Vadis); the role of film in familiarising Western audiences with unfamiliar religious traditions (e.g. ethnographic documentaries); and the depiction of post-modern religious concerns in science fiction (Blade Runner, The Matrix etc).

Textbooks
Course Reader

RLST 2630 Taoism: Potency and Immortality

6 credit points. B A, Dip Arts, UG Study Abroad Program. Dr Tony Swain. **Session:** Semester 2. **Classes:** One 2hr lecture and one 1hr tutorial/week. **Assumed Knowledge:** 12 Junior credit points in Religion, or equivalent as assessed by the Department. **Prohibitions:** RLST2022. **Assessment:** Two 2000 wd essays and a tutorial presentation. This course offers a balanced overview of the significance of Taoism in China from its origins to the present day. It introduces the philosophies and doctrines of the faith as well as explaining practices such as alchemy, drug taking and sexual cultivation.

Textbooks
Course Reader

RLST 2804 Religious Studies Exchange

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

NB: 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 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.

RLST 2805 Religious Studies Exchange

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

RLST 2806 Religious Studies Exchange

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

RLST 2809 Religious Studies Exchange

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

RLST 2810 Religious Studies Exchange

6 credit points. B A, Dip Arts, UG Study Abroad Program. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

RLST 4011 Religious Studies Honours A

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons). Dr Gardner. **Session:** Semester 1, Semester 2. **Classes:** 2hr seminar. **Prerequisites:** Credit average in 32 senior credit points of Studies in Religion. **Assessment:** Thesis of 12000-15000 words (50%); Honours seminar (30%); one 6000 level class each semester (20%).

NB: Department permission required for enrolment.

The Honours program has the following constituent elements:

Thesis of 12,000 - 15,000 words;

One 6000 level class each semester (see department for a list of units of study).

Seminar during February semester: " Problems of Method in the Study of Religion".

Textbooks

Kees Bolle, 'The Enticement of Religion', University of Notre Dame Press, 2002.

RLST 4012 Religious Studies Honours B

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** RLST4011.

Refer to RLST 4011

RLST 4013 Religious Studies Honours C

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** RLST4012.

Refer to RLST 4011

RLST 4014 Religious Studies Honours D

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** RLST4013.

Refer to RLST 4011

Sanskrit

SANS 1001 Sanskrit Introductory 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 3 hrs/week. **Assessment:** classwork and examination. 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.

SANS 1002 Sanskrit Introductory 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 3hrs/week. **Prerequisites:** SANS 1001. **Assessment:** Classwork and examination.

This unit is an extension of work done in SANS 1001. By the end of the unit students will have covered the grammar necessary for reading simple Sanskrit texts.

SANS 2601 Sanskrit Intermediate 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** SANS 1002 or equivalent. **Prohibitions:** SANS2001. **Assessment:** 3 assignments (equivalent to 2500 words) and one two hour examination (equivalent to 2000 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

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

SANS 2602 Sanskrit Intermediate 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** SANS2001 or SANS2601 or equivalent. **Prohibitions:** SANS2002. **Assessment:** 3 assignments (equivalent of 2500 words) and one two hour examination (equivalent to 2000 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

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

SANS 2612 Sanskrit Research Preparation 1

6 credit points. B A, Dip Lang Stud. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** SANS2001 or SANS2601 or equivalent. **Prohibitions:** SANS2901. SANS2902. **Assessment:** 3 assignments (equivalent to 2500 words) and one two hour examination (equivalent to 2000 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.

SANS 3601 Sanskrit Advanced 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** SANS2002 or SANS2602 or equivalent. **Prohibitions:** SANS3001. **Assessment:** 3 assignments (equivalent to 2500 words) and one two hour examination (equivalent to 2000 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.

SANS 3602 Sanskrit Advanced 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 3 hours/week. **Prerequisites:** SANS3001 or SANS3601 or equivalent. **Prohibitions:** SANS3002. **Assessment:** 3 assignments (equivalent to 2500 words) and one two hour examination (equivalent to 2000 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.

SANS 4001 Sanskrit IV Honours A

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credit results in SANS 2901, SANS 2902, SANS 3901, SANS 3902.

NB: Department permission required for enrolment.

Honours IV in Sanskrit comprises three components:

1. Old and Middle Indo-Aryan Language Study, involving elements from the Sanskrit 2900 and 3900 units and Sanskrit 3000 units arranged in consultation with the Department. Assessment will involve two three-hour examinations.

2. Research methodology in Indology and related disciplines. This will involve independent reading, discussion with research supervisor and attendance at seminars and lectures as arranged in consultation with the Department. Assessment will involve two essays of approximately 3000 words.

3. A thesis of approximately 15,000 words to be presented at the end of second semester on a research topic chosen in consultation with the Department.

SANS 4002 Sanskrit IV Honours B

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** SANS4001.

SANS 4003 Sanskrit IV Honours C

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** SANS4002.

SANS 4004 Sanskrit IV Honours D

12 credit points. B A (Asian Stud)(Hons), B A (Hons), Dip Lang Studs (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** SANS4003.

Social Policy

SCPL 2601 Australian Social Policy

6 credit points. B A, B S W, Dip Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 1 hr of lecture and 2 hrs of tutorial. **Prerequisites:** SCLG1001 & SCLG1002. **Prohibitions:** SCPL3001. **Assessment:** 1,500 words essay (30%), 1,000 words tutorial paper and presentation (30%) and 2 hours of examination (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

Readings will be available.

SCPL 2602 Contesting Social Policies

6 credit points. B A, B S W, Dip Soc Sc, UG Study Abroad Program. Dr Alec Pemberton. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG1001 & SCLG1002. **Prohibitions:** SCPL3002. **Assessment:** 2,500 words of written work (60%) and exam equivalent to 2,000 words (40%).

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

Social Sciences

SSCI 1001 Social Political and Economic Thought

6 credit points. B Soc Sci. Dr. Jennifer Wilkinson. **Session:** Semester 1. **Classes:** one 1 hr lecture and one 2 hr tutorial per week. **Assessment:** Class presentation and participation (20%), 1,500 word essay (30%) 2,000 word take-home exam (50%).

NB: Department permission required for enrolment. Bachelor of Social Sciences only

This unit is a core unit for the Bachelor of Social Sciences, and will provide students with an advanced understanding of the central themes, debates and problems running through current social, political and economic thought and social science research more generally. Readings will be available.

SSCI 1003 Exploring the Social Sciences

6 credit points. B Soc Sci. Dr. Jennifer Wilkinson. **Session:** Semester 1. **Classes:** one 1 hr lecture and one 2 hr tutorial per week. **Assessment:** 4,500 words or equivalent to include classwork (20%), 2,000 word essay (40%) and 2,000 word take-home exam (40%).

NB: Bachelor of Social Sciences only

This unit is a core introductory theory unit for the Bachelor of Social Sciences. This unit of study explores the nature of the social sciences and how knowledge within the social sciences is produced. It investigates the relationship of the social sciences to other types of knowledge like the humanities and the natural sciences. It looks at the historical and social contexts in which the social sciences are produced and it explores how various social changes have influenced social scientific knowledge in contemporary settings.

SSCI 2601 Social, Political and Economic Thought 1

6 credit points. B Soc Sci. Dr Jennifer Wilkinson. **Session:** Semester 1. **Classes:** 1 hr lecture and 2hr tutorial per week. **Prohibitions:** SSCI2001. **Assessment:** 6,000 words or equivalent to include: essay of 3,000 words (50%); take home exam of 2,000 words and class work (20%).

NB: Department permission required for enrolment. NB. BA (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. At-

tempts 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

SSCI 2602 Social, Political and Economic Thought 2

6 credit points. B Soc Sci. Dr. Jennifer Wilkinson. **Session:** Semester 2. **Classes:** one 1 hr lecture and one 2 hr tutorial per week. **Prerequisites:** (SSCI1003 and SSCI2001) or SSCI1001 or students who enrolled in SSCI2001 prior to 2005. **Prohibitions:** SSCI2002. **Assessment:** 6,000 words or equivalent to include essay 3,000 words (50%), take home exam 2,000 words (30%) and class work (20%).

NB: 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

Readings will be available

SSCI 3601 Social Sciences Internship

12 credit points. B Soc Sci. Dr. Jennifer Wilkinson. **Session:** Semester 1, Semester 2. **Classes:** Minimum 210 hours of monitored work place experience, plus supervisory consultations. **Prerequisites:** SSCI1003 or SSCI2001, SSCI2002, STAT1021. **Prohibitions:** SSCI3001. **Assessment:** This 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.

NB: 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.

SSCI 3602 Internship Research Paper

6 credit points. B Soc Sci. Dr. Jennifer Wilkinson. **Session:** Semester 1, Semester 2. **Classes:** Independent research with compulsory supervisory consultations. **Prerequisites:** SSCI1003 or SSCI2001, SSCI2002. **Corequisites:** SSCI3001. **Prohibitions:** SSCI3002. **Assessment:** 3,000 words research report (50%), 3,000 words research essay (50%).

NB: 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 (SSCI3001). 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 3000 word 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.

Sociology

SCLG 1001 Introduction to Sociology 1

6 credit points. B A, B A, B S W, B Ec (Soc Sc), B Int S, B S W, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School. Dr. Catriona Elder. **Session:** Semester 1. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one 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, multiculturalism and Indigeneity.

Textbooks

Readings will be available.

SCLG 1002 Introduction to Sociology 2

6 credit points. B A, B A, B S W, B Ec (Soc Sc), B Int S, B S W, Dip Soc Sc, UG Study Abroad Program. Dr Catriona Elder. **Session:** Semester 2. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one 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.

SCLG 1801 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

SCLG 2601 Sociological Theory

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Craig Browne. **Session:** Semester 1. **Classes:** one 2 hr lecture and one 1 hr tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2001 and SCLG2520. **Assessment:** 2,500 word of written work (60%) and 2 hours of examination (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

Course pack will be made available through Copy Centre

SCLG 2602 Social Inquiry: Research Methods

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Fran Collyer. **Session:** Semester 2. **Classes:** 2 hours of lecture and 1 hour of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002 or SCWK2003. **Prohibitions:** SCLG2002 and SCLG2521. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

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

Course pack will be available through Copy Centre

SCLG 2603 Sociology of Health and Illness

6 credit points. B A, B S W, Dip Arts, Dip Soc Sc, UG Study Abroad Program. Dr Fran Collyer. **Session:** Semester 1. **Classes:** one 2 hr lecture and one 1 hr tutorial per week. **Prerequisites:** SCLG1001 & SCLG1002. **Prohibitions:** SCLG2526. **Assessment:** 2,000 words essay (50%), 500 words report (10%) and 2 hours of examination (40%).

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.

SCLG 2604 Social Inequality in Australia

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 1. **Classes:** 2 hours of lectures and 1 hour of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2010 and SCLG2529. **Assessment:** 2,500 word of written work (60%) and 2 hours of examination (40%).

NB: This unit is available as a designated 'Advanced' unit to students 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?

SCLG 2605 Social Justice Law and Society

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Associate Professor Robert van Krieken. **Session:** Semester 1. **Classes:** 2 hours of lectures and 1 hour of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2017 and SCLG2536. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

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

This unit of study examines the operation of legal thought, practices and institutions in Australian social life. Specific topics will include sociological analysis of legal reasoning, the role of law in relations between Indigenous and non-Indigenous Australians, crime and punishment, law's contributions to both stability and social change, law and the media, the legal construction of family life, the ethnography of the courtroom, informal legal processes, the High Court and politics, law and governance, and the differentiated nature of 'the field of law'.

SCLG 2606 Media in Contemporary Society

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Annette Falahey. **Session:** Semester 1. **Classes:** 2 hrs of lecture and 1 hr of tutorial. **Assumed Knowledge:** Access to a computer with a modem and knowing how to log on to the WWW are the basic computer skills requirements for this unit. **Prerequisites:** SCLG1001 and SCLG1002. **Prohibitions:** SCLG2018 and SCLG2537. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (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.

SCLG 2607 Social Movements and Policy Making

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Amanda Elliot. **Session:** Semester 1. **Classes:** 2 hrs of lecture and 1 hr of tutorial. **Prerequisites:** SCLG1001 and SCLG1002. **Prohibitions:** SCLG2570. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

Drawing on contemporary sociological analysis regarding the intersections between policy-making, social movements and democracy this unit critically explores the practices and processes through which policies emerge. The unit examines the changing role of government and civil society and considers the implications of change for policy-making. 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 capitalism, environmental, Aboriginal and feminist movements, and policy responses to them.

SCLG 2608 Social Construction of Difference

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Alec Pemberton. **Session:** Semester 1. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2004 and SCLG2523. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (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; Hendershot), the 'Broken Windows' thesis (Wilson and Kelling) and Jock Young's theory of 'Essentialising the Other'.

SCLG 2609 Contemporary Cultural Issues

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Annette Falahey. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2501. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (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, deconstruct-

tionist 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.

SCLG 2610 Science, Technology and Social Change

6 credit points. B A, B S W, Dip Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **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.

SCLG 2611 Comparative Sociology of Welfare States

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of tutorial. **Prerequisites:** SCLG1001 and SCLG1002. **Prohibitions:** SCLG2509. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

SCLG 2612 Self and Society

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr. Craig Browne. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2510. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (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.

SCLG 2613 Sociology of Childhood and Youth

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Amanda Elliot. **Session:** Semester 2. **Classes:** 2 hrs of lectures and 1 hr of tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG2522. **Assessment:** 2,500 words of written work (60%) and 2 hours of examinations (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.

SCLG 2614 Madness, Difference and Normality

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Alec Pemberton. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG1001 and SCLG1002. **Prohibitions:** SCLG2006 and SCLG2525. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

This unit of study will introduce students to core themes and issues in the sociological study of mental illness, with a historical and critical emphasis. Issues will be placed in their historical context wherever possible to indicate the development of particular debates in their social, cultural and political setting. The unit of study will compare and evaluate rival or alternative approaches to mental illness, as well as utilising the empirical evidence on mental illness to guide students through the issues, debates and controversies. Topics covered will include sociological studies of the causes of mental illness, cross-cultural studies, social factors in depression, labelling theory and its assessment, mental illness as myth, anti-psychiatry, feminist critiques of psychiatry, the sociology of psychiatry and psychiatric practice, the sociology of the mental hospital, and de-institutionalisation.

SCLG 2615 Law and Social Theory

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Associate Professor Robert van Krieken. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG1001 and SCLG1002 and (SCLG2601 or SCLG2001). **Prohibitions:** SCLG2535. **Assessment:** Tutorial participation (10%), 2,500 word essay (60%), 2,000 word take-home exam (30%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

SCLG 2616 Global Transformations

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr. Craig Browne. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG1001 and SCLG1002. **Prohibitions:** SCLG2560. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

SCLG 2618 Violence, Imaginaries and Symbolic Power

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Craig Browne. **Session:** Semester 1. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG1001 and SCLG1002. **Prohibitions:** SCLG2566. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

NB: This unit is available as a designated 'Advanced' unit to students 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.

SCLG 2634 Crime, Punishment and Society

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 hours of lectures and one hour tutorial. **Prerequisites:** Two of: SCLG1001, SCLG1002, SLSS1001, SLSS1002 and LAWS1100. **Prohibitions:**

5. Undergraduate units of study

SCLG2566. **Assessment:** 3000 word essay (50%); 1500 word take home exam (40%); class participation (10%).

This unit provides students with an introduction to the analysis of crime, crime control and punishment in their historical, social and political contexts. It discusses the major theoretical perspectives on the explanation of crime and deviance as well as the role and functions of punishment, and then examines a range of central issues in understanding crime and criminal justice, including the history and sociology of prisons, punishment and policing, the basic elements of criminal law and the criminal justice system.

SCLG 2805 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** SCLG 1001 and SCLG 1002.

NB: Department permission required for enrolment.

SCLG 2806 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** SCLG 1001 and SCLG 1002.

NB: Department permission required for enrolment.

SCLG 2809 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** SCLG 1001 and SCLG 1002.

NB: Department permission required for enrolment.

SCLG 2810 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** SCLG 1001 and SCLG 1002.

NB: Department permission required for enrolment.

SCLG 2811 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** SCLG 1001 and SCLG 1002.

NB: Department permission required for enrolment.

SCLG 2812 Sociology Exchange

6 credit points. B A, Dip Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** SCLG 1001 and SCLG 1002.

NB: Department permission required for enrolment.

SCLG 3601 Contemporary Sociological Theory

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG3002. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

NB: This unit is available as a designated 'Advanced' unit to students 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, Michael 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.

SCLG 3602 Empirical Sociological Methods

6 credit points. B A, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program. Dr Fran Collyer. **Session:** Semester 2. **Classes:** 2 hrs of lecture and 1 hr of seminar. **Prerequisites:** SCLG 1001 and SCLG 1002. **Prohibitions:** SCLG3003. **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%).

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.

SCLG 4011 Sociology Honours A

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). TBA. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 32 credit points of Senior level Sociology. **Assessment:** All of the major components of the Honours year will be assessed.

NB: Department permission required for enrolment.

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Departmental Handbook from the SOPHI Office.

SCLG 4012 Sociology Honours B

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** SCLG4011.

Consult Department for unit description.

SCLG 4013 Sociology Honours C

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** SCLG4012.

Refer to SCLG 4011.

SCLG 4014 Sociology Honours D

12 credit points. B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons). **Session:** Semester 1, Semester 2. **Corequisites:** SCLG4013.

Refer to SCLG 4011.

Spanish

SPAN 1601 Introductory Spanish 1

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School. Dr Modesto. **Session:** Semester 1, Summer. **Classes:** Three language tutorials and one lecture. **Prohibitions:** Not to be taken by students with prior knowledge of Spanish. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

NB: Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN 1601. Students should contact the Department which will determine the appropriate level of enrolment.

SPAN 1601 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

Borobio, Nuevo Ele- Inicial 1 (libro del alumno).

SPAN 1602 Introductory Spanish 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 2. **Classes:** Three language tutorials and one lecture. **Prohibitions:** SPAN 1002. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

NB: Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN 1602. Students should contact the Department which will determine the appropriate level of enrolment.

SPAN 1602 builds further on the skills acquired in SPAN 1601 and provides an overview of Latin-American history and culture.

Textbooks

Borobio, Nuevo Ele-Inicial 2 (libro del alumno).

SPAN 1801 Spanish Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

SPAN 1802 Spanish Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

SPAN 2601 Intermediate Spanish 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr. Modesto. **Session:** Semester 1. **Classes:** 4 language tutorials. **Prerequisites:** SPAN1002 or SPAN1602. **Prohibitions:** SPAN2001. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

NB: 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.

SPAN 2601 builds on the basic language skills acquired in SPAN 1601 and SPAN 1602, further developing aural/oral skills, reading and writing, with a particular focus on grammatical accuracy.

Textbooks

Jarvis & Budge, Continuemos, Intermediate Spanish, 7th edition.

SPAN 2602 Intermediate Spanish 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 2. **Classes:** 4 language tutorials. **Prerequisites:** SPAN 2601. **Prohibitions:** SPAN2002. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.

SPAN 2602 builds on SPAN 2601.

Textbooks

Jarvis & Budge, Continuemos, Intermediate Spanish, 7th edition.

SPAN 2621 Spanish Culture 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 1. **Classes:** Two hour seminar. **Prerequisites:** SPAN 1002 or SPAN 1602 as determined by the Department. **Assessment:** 6000 words (major essay, 3000 words, four tasks, each 750 words).

This course presents students with a variety of texts of mainstream Spanish literature and major literary trends in the context of the history and culture of Spain.

SPAN 2622 Latin American Culture 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Dr Modesto. **Session:** Semester 2. **Classes:** Two hour seminar. **Prerequisites:** SPAN1002 or SPAN1602 or as determined by the Department. **Assessment:** 6000 words (major essay, 3000 words, four tasks, each 750 words).

This course presents students with a variety of Latin American texts and major literary trends in the context of the history and culture of Latin America.

SPAN 3601 Advanced Spanish 1

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Newbiggin.
Session: Semester 1. **Classes:** 4 language tutorials. **Prerequisites:** SPAN2002 or SPAN2602. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.
NB: Department permission required for enrolment.
 SPAN 3601 further develops competence in Spanish.
Textbooks
 Contact Department.

SPAN 3602 Advanced Spanish 2

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Prof. Newbiggin.
Session: Semester 2. **Classes:** 4 language tutorials. **Prerequisites:** SPAN 3601 or departmental permission required. **Assessment:** Classwork, tareas (homework), assignments, tests, exam.
NB: Department permission required for enrolment.
 SPAN 3602 further develops competence in Spanish.
Textbooks
 Contact Department

SPAN 3811 Spanish Studies Exchange

6 credit points. B A. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

SPAN 3812 Spanish Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

SPAN 3813 Spanish Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

SPAN 3814 Spanish Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

SPAN 3815 Spanish Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

SPAN 3816 Spanish Studies Exchange

6 credit points. B A. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Thai Studies (May not be offered in 2006)**THAI 1105 Thai 1A**

6 credit points. B A, Dip Lang Stud, M Com, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 5 hours per week. **Prohibitions:** THAU 101, THAU 103. **Assessment:** Assignments equivalent to 1000 words (10%); three written class tests (10%); two 90-minute exams, each covering grammar, writing and aural comprehension (40%); one oral test (30%); classwork (10%).
 Intended for students who have little or no previous knowledge of Thai, this unit of study provides an introduction to spoken and written Thai, with emphasis on speaking and listening skills that will enable students to communicate in Thai in everyday situations. Practice in reading, writing and pronunciation and an introduction to Thai grammar are included.

Textbooks

P. Juntanamalaga and T. Diller, Beginning Thai (ANU) plus two tapes.
 N. Jiraratwatana, Thai Language Express (Sydney University Language Centre) plus two tapes.
 Other materials are available for purchase from the University Copy Centre.

THAI 1106 Thai 1B

6 credit points. B A, Dip Lang Stud, M Com, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 2. **Classes:** 5 hours per week. **Prerequisites:** THAI 1105 or THAI 1101 plus THAI 1103 or department permission. **Prohibitions:** THAU 102, THAU 104. **Assessment:** Assignments equivalent to 1000 words (10%); three written class tests (10%); two 90-minute exams, each covering grammar, writing and aural comprehension (40%); one oral test (30%); classwork (10%).
 Continuation and extension of work done in THAI 1105.

Textbooks

P. Juntanamalaga and T. Diller, Beginning Thai (ANU) plus two tapes.
 N. Jiraratwatana, Thai Language Express (Sydney University Language Centre) plus two tapes.
 Other materials are available for purchase from the University Copy Centre.

THAI 1603 Thai Script A

6 credit points. B A, B Int S, Dip Lang Stud, M Com, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 2 hours per week. **Assumed Knowledge:** Proficiency in spoken Thai equivalent to that attained in THAI 1101. **Prohibitions:** THAU 105, THAU 103. **Assessment:** Assignments equivalent to 500 words (50%); three written class tests (10%); two 45-minute exams (80%); classwork (5%).
 An introduction to Thai writing and reading which may be taken as a separate unit by students with a knowledge of spoken Thai equivalent to that attained in THAI 1101 or THAI 1105.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 1604 Thai Script B

6 credit points. B A, B Int S, Dip Lang Stud, M Com, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 2. **Classes:** 2 hours per week. **Assumed Knowledge:** Proficiency in spoken Thai equivalent to that attained in THAI 1102, plus limited knowledge of written Thai. **Prerequisites:** THAI 1103 or THAI 1105 or THAI 1603 or department permission. **Prohibitions:** THAU 106, THAU 104. **Assessment:** Assignments equivalent to 500 words (50%); three written class tests (10%); two 45-minute exams (80%); classwork (5%).

An extension of work done in THAI 1603. May be taken as a separate unit by students with a knowledge of spoken Thai equivalent to that attained in THAI 1102 or THAI 1106. Students will achieve reading and writing competence in basic Thai by the end of the unit.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 2601 Thai 2A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** THAI 1104 or THAI 2601 or THAI 1604 or department permission. **Prohibitions:** THAI2101. **Assessment:** Reading comprehension exercises (10%); two written projects each equivalent to 1000 words (20%); two oral presentations based on projects (20%); one two-hour final exam (30%); classwork (10%); three written class tests (10%).

This unit of study further develops communication skills, with an emphasis on reading. Different types of written discourse will be studied through a variety of Thai language media. Some attention will also be given to a study of cultural aspects of the Thai language.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 2602 Thai 2B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** THAI 2101 or THAI 2601 or departmental permission. **Prohibitions:** THAI2102. **Assessment:** Reading comprehension exercises (10%); two written projects each equivalent to 1000 words (20%); two oral presentations based on projects (20%), one two-hour final exam (30%); classwork (10%); three written class tests (10%).

A continuation and extension of work done in THAI 2601.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 2650 Thai In-Country Study A

6 credit points. B A, Dip Lang Stud. Ms Jiraratwatana. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

THAI 2651 Thai In-Country Study B

6 credit points. B A, Dip Lang Stud. Ms Jiraratwatana. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

THAI 2652 Thai In-Country Study C

6 credit points. B A, Dip Lang Stud. Ms Jiraratwatana. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

THAI 2653 Thai In-Country Study D

6 credit points. B A, Dip Lang Stud. Ms Jiraratwatana. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

THAI 3601 Thai 3A

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** THAI 2102 or THAI 2602 or department permission. **Prohibitions:** THAI3101. **Assessment:** Reading comprehension exercises (10%); two written projects each equivalent to 1000 words (20%); two oral presentations based on projects (20%); classwork (10%); one two-hour final exam (30%); three written class tests (10%).

In addition to consolidating and further developing students' proficiency in oral and written Thai, this unit of study introduces the more complex aspects of Thai grammar. There is also some study of Thai literature or other aspects of Thai culture. Reading and discussion about major issues in contemporary Thailand are included.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 3602 Thai 3B

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. Ms Jiraratwatana. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** THAI 3101 or THAI 3601 or department permission. **Prohibitions:** THAI3102. **Assessment:** Reading comprehension exercises (10%); two written projects each equivalent to 1000 words (20%); two oral presentations based on projects (20%); classwork (10%); one two-hour final exam (30%); three written class tests (10%).

A continuation and extension of work done in THAI 3601.

Textbooks

Materials are available for purchase from the University Copy Centre.

Yiddish (no guarantee of continued availability)**YDDH 1101 Yiddish 1**

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4 hours per week. **Assessment:** One 2 hour final exam (60%),

5. Undergraduate units of study

written work (homework and quizzes) equivalent to 1000 words (20%), continuous assessment, preparation and participation, equivalent to 1000 words (20%).

Yiddish 1101 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.

YDDH 1102 Yiddish 2

6 credit points. B A, B Int S, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** YDDH 1101. **Assessment:** One 2 hour final exam (60%), written work (homework and quizzes) equivalent to 1000 words (20%), continuous assessment, preparation and participation, equivalent to 1000 words (20%).

Yiddish 1102 further develops the study of Yiddish language, building upon the foundations set in YDDH 1101. Students continue to learn grammar and vocabulary, through exercises in conversation and reading. As with YDDH 1101, discussions on history as well as Yiddish culture and literature will be given in order to prepare students for readings at the senior level.

YDDH 2603 Yiddish 3

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** YDDH 1102. **Prohibitions:** YDDH2103; YDDH2104. **Assessment:** One 2 hour exam (50%), written work (homework and quizzes) equivalent to 1500 words (30%), continuous assessment, participation and preparation equivalent to 1000 words (20%).

Yiddish 3 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 an introduction to various media sources. 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).

YDDH 2604 Yiddish 4

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** YDDH2103 or YDDH2603. **Prohibitions:** YDDH 2104. **Assessment:** One 2 hour exam (50%), written work (homework and quizzes) equivalent to 1500 words (30%), continuous assessment, participation and preparation equivalent to 1000 words (20%).

Yiddish 4 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).

YDDH 3605 Yiddish 5

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** YDDH2104 or YDDH2604. **Prohibitions:** YDDH 3105; YDDH 3106. **Assessment:** One 2 hour exam (50%), written work (homework and quizzes) equivalent to 1500 words (30%), continuous assessment, participation and preparation equivalent to 1000 words (20%).

Yiddish 5 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).

YDDH 3606 Yiddish 6

6 credit points. B A, Dip Lang Stud, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** YDDH3605 or YDDH 3105. **Prohibitions:** YDDH 3106. **Assessment:** One 2 hour exam (50%), written work (homework and quizzes) equivalent to 1500 words (30%), continuous assessment, participation and preparation equivalent to 1000 words (20%).

Yiddish 6 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).

Table A - Arts units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Aboriginal Studies							
KOCR 2600 Indigenous Australia: An Introduction	6		P 18 Junior credit points NKOCR2100				Semester 2, Summer, Semester 1
KOCR 2601 Indigenous Australia: Land and Culture	6		P KOCR2100 or KOCR2600 NKOCR2101				Semester 2
KOCR 2602 Issues in Indigenous Rights	6		P KOCR2100 or KOCR2600 NKOCR2102				Semester 2
KOCR 2603 Indigenous Health and Communities	6		P KOCR2100 or KOCR2600 NKOCR2111				Semester 2
KOCR 2604 Colours of Identity: Indigenous Bodies	6		P KOCR2100 or KOCR2600				Semester 1
KOCR 2605 Speaking Gamilaraay 1	6		P KOCR2100 or KOCR2600				Semester 1
KOCR 2606 Torres Strait Histories and Experiences	6		P KOCR2100 or KOCR2600				Semester 2
KOCR 2607 Indigenous Creative Expression	6		P 18 Junior credit points				Semester 1
KOCR 3601 Indigenous Research Practice	6		P KOCR2100 or KOCR2600				Semester 1
KOCR 3604 International Indigenous Studies	6		C KOCR2100 or KOCR2600				Semester 2
Ancient History							
ANHS 1003 Foundations for Ancient History: Greece	6						Semester 1
ANHS 1004 Power and Persuasion: Near East and Rome	6						Semester 2
ANHS 1801 Ancient History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ANHS 2603 Ancient Greek Democracies	6	P 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE NANHS2003 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.					Semester 2
ANHS 2607 Rome 90 BC-AD 14: Making a World City	6	P 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE NANHS2007 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.					Semester 1
ANHS 2608 The World Turned Upside Down	6	P 12 junior credit points of ANHS or HSTY or ASNS OR 6 junior credit points of ANHS or HSTY or ASNS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE N HSTY2024					Semester 2
ANHS 2691 Ancient Historians Rethink History 1	6	P Credit average in 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE N ANHS2901, HSTY2901, HSTY2691 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.					Semester 1
ANHS 2692 Ancient Historians Rethink History 2	6	P Credit average in 12 junior credit points of ANHS or HSTY OR 6 junior credit points of ANHS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE NANHS2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.					Semester 2
ANHS 2804 Ancient History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ANHS 2805 Ancient History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ANHS 2806	Ancient History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 2810	Ancient History Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ANHS 2811	Ancient History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 3603	Documents and Ancient History (Greek)	6 P	Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (GRKA 1002 or GRKA 2612) OR Credit average in 18 senior credit points of GRKA NANHS3903 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ANHS 3604	Documents and Ancient History (Latin)	6	P Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) and (LATN 1002 or LATN 2612) OR Credit average in 18 senior credit points of LATN NANHS3904 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ANHS 3607	Aliens Bearing Gifts: Romans and Others	6	P Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902)) NANHS3907	Semester 1
ANHS 3608	The Peloponnesian War and Culture	6	P Credit average in 18 senior credit points of ANHS or HSTY including ((ANHS2691 (or HSTY2691) and ANHS2692) or (ANHS2901 and ANHS2902) or (HSTY2901 and HSTY2902))	Semester 1
ANHS 4011	Ancient History Honours A	12	P Credit average in 48 Senior cp in ANHS or HSTY including 12 cp at ANHS 3900 or HSTY 3900 level or equivalent. NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 4012	Ancient History Honours B	12	P Refer to ANHS 4011 CANHS4011	Semester 1, Semester 2
ANHS 4013	Ancient History Honours C	12	P Refer to ANHS 4011 CANHS4012	Semester 1, Semester 2
ANHS 4014	Ancient History Honours D	12	P Refer to ANHS 4011 CANHS4013	Semester 1, Semester 2
Anthropology				
ANTH 1001	Anthropology and Cultural Difference	6	NANTH 1003	Summer, Semester 1
ANTH 1002	Globalisation and Experience	6	NANTH 1004.	Semester 2
ANTH 1801	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 1802	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2601			NB: *** No info available for 2006. ***	
ANTH 2604	Australia-Pacific: Indigenous Worlds	6	P 18 Junior credit points. NANTH2112	Semester 2
ANTH 2605	Aboriginal Australia: Cultural Journeys	6	P 12 Junior credit points of Anthropology N ANTH2010 and ANTH2025	Semester 1
ANTH 2613	Imagination, Narcissism & Identification	6	P 12 Junior credit points of Anthropology NANTH2013	Semester 1
ANTH 2614	The Anthropology of Cognitive Systems	6	P 12 Junior credit points of Anthropology NANTH2014	Semester 1
ANTH 2619	Chinese in Southeast Asia	6	P 12 Junior credit points of Anthropology NANTH2019	Semester 1
ANTH 2621	Initiation Rituals	6	P 12 Junior credit points of Anthropology NANTH2021	Semester 2
ANTH 2622	Ethnographic Film	6	P 12 Junior credit points of Anthropology N ANTH2106 and ANTH2022	Summer, Semester 2
ANTH 2623	Gender: Anthropological Studies	6	P 12 junior credit points of Anthropology N ANTH2020 and ANTH2023	Semester 2
ANTH 2625	Anthropology of Development	6	P 12 Junior credit points of Anthropology	Semester 1
ANTH 2626	Urban Anthropology	6	P 12 Junior credit points of Anthropology NANTH2026	Semester 1
ANTH 2627	Medical Anthropology	6	P 12 Junior credit points of Anthropology NANTH2027	Semester 2
ANTH 2629			NB: *** No info available for 2006. ***	
ANTH 2655	The Social Production of Space	6	P 12 junior credit points in Anthropolgy. NANTH3911	Semester 2

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ANTH 2657	Consumption and Pleasure	6	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ANTH 2804	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ANTH 2805	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2806	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2810	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ANTH 2811	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ANTH 3601	Honours Preparation 1	6	P 12 credit points of Senior Anthropology at Credit level or above NANTH3921, ANH3922	Semester 1
ANTH 3611	Reading Melanesian Ethnographies	6	P 12 Credit Points of Senior Anthropology completed at Credit Level or Above NANTH3951 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ANTH 3612			NB: *** No info available for 2006. ***	
ANTH 3613	Reading Aboriginal Ethnographies	6	P 12 credit points of senior Anthropology completed at credit level or above NANTH3835 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ANTH 3614	Reading East Asian Ethnography	6	P 12 Junior credit points of Anthropology at Credit level and 16 Senior credit points of Anthropology at Credit level or above.	Semester 2
ANTH 4011	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 ANTH 2501, ANTH 2502, AND three of ANTH 3901-3906, 3908-3916 and one of ANTH 3835, 3907, 3951-3957. NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 4012	Social Anthropology Honours B	12	CANTH4011	Semester 1, Semester 2
ANTH 4013	Social Anthropology Honours C	12	CANTH4012	Semester 1, Semester 2
ANTH 4014	Social Anthropology Honours D	12	CANTH4013	Semester 1, Semester 2
Arabic Language and Literature				
ARBC 1611	Arabic Introductory 1B	6	NARBC 1311; ARBC 1312	Semester 1
ARBC 1612	Arabic Introductory 2B	6	P ARBC 1101 or ARBC 1611 (or equivalent). NARBC 1311; ARBC 1312	Semester 2
ARBC 2613	Arabic Language and Literature 3B	6	PARBC 1102 or ARBC 1612 or equivalent. NARBC 1311 or ARBC 1312 or ARBC 2633 or ARBC 2634 or ARBC 2103.	Semester 1
ARBC 2614	Arabic Language and Literature 4B	6	PARBC 2103 or ARBC 2613 or equivalent. NARBC 2104 or ARBC 1311 or ARBC 1312 or ARBC 2313 or ARBC 2314 or ARBC 2633 or ARBC 2634 or ARBC 3635 or ARBC 3636 or ARBC 3637 or ARBC 3638.	Semester 2
ARBC 2633	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. NARBC 1311.	Semester 1
ARBC 2634	Arabic Advanced Language & Literature 4A	6	PARBC 1311 or ARBC 2633 NARBC 1312; ARBC 1101; ARBC 1102; ARBC 1611; ARBC 1612	Semester 2
ARBC 2811	Arabic Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ARBC 2812	Arabic Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 2813	Arabic Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 2814	Arabic Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 3615	Arabic Language and Literature 5B	6	PARBC 2104 or ARBC 2614 or equivalent. NARBC 2105 or ARBC 1311 or ARBC 1312 or ARBC 2313 or ARBC 2314 or ARBC 2315 or ARBC 2316 or ARBC 2633 or ARBC 2634 or ARBC 3635 or ARBC 3636 or ARBC 3637 or ARBC 3638.	Semester 1
ARBC 3616	Arabic Language and Literature 6B	6	PARBC 2105 or ARBC 3615 or equivalent. NARBC 2106 or ARBC 1311 or ARBC 1312 or ARBC 2313 or ARBC 2314 or ARBC 2315 or ARBC 2316 or ARBC 2633 or ARBC 2634 or ARBC 3635 or ARBC 3636 or ARBC 3637 or ARBC 3638.	Semester 2
ARBC 3635	Arabic Advanced Translation & Writing 5A	6	P ARBC 1312 or ARBC 2633. NARBC 2313 or ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612.	Semester 1

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ARBC 3636 Arabic Advanced for Media Studies 6A	6	PARBC 1311 or ARBC 2633 NARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612 or ARBC 2314.	Semester 2
ARBC 3637 Arabic Advanced Translation & Writing 7A	6	PARBC 1312 or ARBC 2634 NARBC 2315 or ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612.	Semester 1
ARBC 3638 Arabic Advanced for Media Studies 8A	6	PARBC 1311 or ARBC 2633 NARBC 2316 or ARBC 1101 or ARBC 1102 or ARBC 1611 or ARBC 1612	Semester 2
Arab World, Islam & The Middle East			
ARIS 1671 Arabs, Islam & Middle East: Introduction	6		Semester 1
ARIS 1672 Arab-Islamic Civilisation: Introduction	6	PARIS 1001 or ARIS 1671	Semester 2
ARIS 3675 Society and Politics in the Middle East	6	PARIS 1001 or ARIS 1671 or equivalent. N ARIS 2005 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ARIS 3676 Issues and Debates in Arab Culture Today	6	PARIS 1001 or ARIS 1671 or equivalent N ARIS 2006 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARIS 3680 Approaches to Arabic and Islamic Studies	6	P Credit in ARIS 2673 or ARIS 3675 or ARIS 2003 or ARIS 2005, plus credit in ARBC 2613 or ARBC 3635 or ARBC 2103 or ARBC 2313.	Semester 2
ARIS 4011 Arabic and Islamic Studies Honours A	12	P Students should have at least 48 credit points (with Credit average) from a combination of ARBC and ARIS Senior units, plus the obligatory honours entry unit, ARIS 3680 (Approaches to Arabic & Islamic Studies). NB: Department permission required for enrolment.	Semester 1, Semester 2
ARIS 4012 Arabic and Islamic Studies Honours B	12	CARIS4011	Semester 1, Semester 2
ARIS 4013 Arabic and Islamic Studies Honours C	12	CARIS4012	Semester 1, Semester 2
ARIS 4014 Arabic and Islamic Studies Honours D	12	CARIS4013	Semester 1, Semester 2
Archaeology (Classical)			
ARCL 1001 Art & Archaeology of the Classical World	6		Semester 2
ARCL 1801 Archaeology (Classical) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2601 The World of Classical Athens	6	P 6 Junior credit points of Archaeology and 6 Junior credit points of Archaeology or Classical Civilization or Ancient History NARCL2001	Semester 2
ARCL 2602 Greek Cities and Sanctuaries	6	P 6 Junior credit points of Archaeology and 6 Junior credit points of Archaeology, Classical Civilization, Classical Studies or Ancient History NARCL2002	Semester 1
ARCL 2603 Archaeology of Pre-Roman Italy	6	P 6 Junior credit points of Archaeology and either 6 Junior credit points of Archaeology or Classical Civilisation or Classical Studies or Ancient History NARCL3001	Semester 1
ARCL 2690 Special Topics in Classical Athens	6	P Credit result in ARCL 1001 CARCL2601 NARCL2900 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARCL 2804 Archaeology (Classical) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2805 Archaeology (Classical) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2806 Archaeology (Classical) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2810 Archaeology (Classical) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2811 Archaeology (Classical) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 3691 Research Issues in Classical Archaeology	6	P Credit result in ARCL2690 NARCL3901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARCL 4011 Archaeology (Classical) Honours A	12	P (a)Credit results in 24 Senior credit points of Archaeology (Classical), (b) In addition, 48 credit points from one or more of the following: Archaeology (Near Eastern and/or Prehistoric and Historical), Classical Civilization, Greek, Latin, Greek and Roman Literature, Art History and Theory, Ancient History. (c) HSC 2-unit (or equivalent) in an approved language. NB: Department permission required for enrolment.	Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
ARCL 4012 Archaeology (Classical) Honours B	12	CARCL4011					Semester 1, Semester 2
ARCL 4013 Archaeology (Classical) Honours C	12	CARCL4012					Semester 1, Semester 2
ARCL 4014 Archaeology (Classical) Honours D	12	CARCL4013					Semester 2, Semester 1
Archaeology (Near Eastern)							
ARNE 1001 Archaeology of the Near East	6						Semester 2
ARNE 1801 Archaeology (Near Eastern) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARNE 2604 The Levant Neolithic - Middle Bronze Age	6	P 12 Junior Credit points from Archaeology, Classical Civilisation <or Ancient History	NARNE2004				Semester 1
ARNE 2605 Archaeology of the Levant 1500 - 900 BC	6	P 12 Junior Credit points from Archaeology, Classical Civilisation <or Ancient History	NARNE2005				Semester 2
ARNE 2691 Material Culture	6	P Credit result in ARNE 1001	NARNE2901		NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.		Semester 1
ARNE 2804 Archaeology (Near Eastern) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARNE 2805 Archaeology (Near Eastern) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARNE 2806 Archaeology (Near Eastern) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARNE 2810 Archaeology (Near Eastern) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARNE 2811 Archaeology (Near Eastern) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARNE 3691 Special Topics in West Asian Archaeology	6	P Credit result in ARNE2901/2691 and Pass result in 6 further Senior credit points from ARNE or ARCL	NARNE3901		NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.		Semester 2
ARNE 4011 Archaeology (Near Eastern) Honours A	12	P (a) Credit results in 24 Senior credit points of Archaeology inc. ARNE 2901 and ARNE 3901 (b) reading ability in a Modern European language.			NB: Department permission required for enrolment.		Semester 2, Semester 1
ARNE 4012 Archaeology (Near Eastern) Honours B	12	CARNE4011					Semester 1, Semester 2
ARNE 4013 Archaeology (Near Eastern) Honours C	12	CARNE4012					Semester 1, Semester 2
ARNE 4014 Archaeology (Near Eastern) Honours D	12	CARNE4013					Semester 1, Semester 2
Archeology (Prehistoric and Historical)							
ARSC 1006 Archaeology Past and Present (HSC unit)	6						Summer
ARPH 1001 Introduction to Archaeology	6						Winter, Semester 1
ARPH 1801 Archaeology (Prehistoric & Historic) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ARPH 2602 Scientific Analysis of Materials	6	P 12 Junior credit points in Archaeology	NARPH2621				Semester 2
ARPH 2603 The Archaeology of Society	6	P 12 Junior credit points of Archaeology.	NARPH2003				Semester 1
ARPH 2605 Archaeology of Modern Times	6	P 12 Junior credit points of Archaeology	NARPH2005				Semester 1
ARPH 2607 Australian Archaeology	6	P 12 Junior credit points of Archaeology.					Semester 1
ARPH 2611 From Java to Beijing: Asian Archaeology	6	P 12 Junior credit points of Archaeology					Semester 2
ARPH 2804 Archaeology (Prehistoric & Historic) Exchange	6	NB: Department permission required for enrolment.					Semester 2, Semester 1
ARPH 2805 Archaeology (Prehistoric & Historic) Exchange	6	NB: Department permission required for enrolment.					Semester 2, Semester 1
ARPH 2806 Archaeology (Prehistoric & Historic) Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ARPH 3690 Archaeological Applications of Computing	6 P	Credit results in 16 Senior credit points of ARPH. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARPH 3691 Archaeological Research Principles 1	6	P 12 Senior credit points in Archaeology at credit level NARPH3911	Semester 1
ARPH 3692 Archaeological Research Principles 2	6 P	12 Senior credit points of Archaeology at Credit level NARPH3902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARPH 3693 Archaeological Practice	6 P	12 Senior credit points of Archeology at Credit level NARPH3921 NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARPH 4011 Archaeology (Prehist/Historical) Hons A	12 P a)	CR+ results in 24 senior credit points of Archaeology, including ARPH3902 and CR+ results in 8 credit points from ARPH2501-2699 and/or ARPH3921. b) CR+ results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies, and/or Heritage Studies. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 4012 Archaeology (Prehist/Historical) Hons B	12	CARPH4011	Semester 1, Semester 2
ARPH 4013 Archaeology (Prehist/Historical) Hons C	12	CARPH4012	Semester 1, Semester 2
ARPH 4014 Archaeology (Prehist/Historical) Hons D	12	CARPH4013	Semester 1, Semester 2
Art History and Theory			
ARHT 1001 Art & Experience: The European Tradition	6		Semester 1
ARHT 1002 Modern Times: Art and Film	6		Semester 2
ARHT 1801 Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2601 Recent Approaches to Art and Film	6	P 16 Senior credit points in Art History and Theory with a Credit average. NARHT2901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ARHT 2612 Baroque Courts	6	P ARHT 1001 and ARHT 1002. NARHT2012	Semester 1
ARHT 2613 The Art of France	6	P ARHT 1001 and ARHT 1002 or permission of course coordinator NARHT2013 NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARHT 2616 High Renaissance Art	6	P ARHT 1001, ARHT 1002 NARHT2016	Semester 2
ARHT 2617 Art and Society in Victorian England	6	P ARHT 1001, ARHT 1002 NARHT2017	Semester 1
ARHT 2624 Contemporary International Art	6	P ARHT 1001, ARHT 1002. NARHT2024 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARHT 2636 Contemporary Indigenous Australian Art	6 P	ARHT 1001 and ARHT 1002 NARHT2036 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ARHT 2641 Art and Archaeology of South East Asia	6	P The pre-requisites are any of ARHT 1001 & 1002 or ASNS 1001 & 1002 or ASNS 1001 & ASNS 1101 SI Intensive or any one of ARPH 1001, ARPH 1002, ARPH 1003. NARHT2041 NB: Fieldwork will be taught at Angkor Wat with daily on-site presentations by Associate Professor Roland Fletcher, and in Thailand by Professor John Clark. There will be oral presentations by students on specified evenings in both the Angkor and Thai modules. All students must register with the department by early November 2005 if they are going to take this module. Travel and accommodation costs only will be charged at about \$3,500. (This course is taught as an ordinary senior unit of so there are no Summer School or other special fees for this course).	
ARHT 2642 Art in the Age of the Samurai	6	P ARHT 1001, ARHT 1002 or ASNS 1001, ASNS 1002 NARHT2042	Semester 1
ARHT 2643 Art and Architecture of Modern Japan	6	P ARHT 1001, ARHT 1002 NARHT2043 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARHT 2652 From Silent to Sound Cinema	6	P ARHT 1001, ARHT 1002 NARHT2052 NB: Film Studies Core Unit. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ARHT 2653 Cross-Cultural Perspectives on Cinema	6	PARHT 1001, ARHT 1002 NARHT2053	Semester 2
ARHT 2655 Cinema and Spectatorship	6	PARHT 1002 or ENGL 1025 NARHT2055	Semester 2
ARHT 2656 National and Transnational Cinemas	6	PARHT 1001 and ARHT 1002 (For Art History Major) NARHT2056	Semester 1
ARHT 2657 Contemporary Hollywood	6	PARHT 100 land ARHT 1002 (For Art History Major) NARHT2057	Semester 2
ARHT 2664 Special Studies	6	P Credit and above in 12 Junior Credit points from any two ARHT units OR consent of Chair of Department NARHT2064 NB: Note: Only one Special Studies course may be taken at senior level.	Semester 1
ARHT 2671 Orientalism and Visual Culture	6	PARHT 100 land ARHT 1002. NARHT2071 NB: This unit is available as a designated Advanced ¹ unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARHT 2810 Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ARHT 2811 Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2812 Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2813 Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2814 Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 4011 Art History and Theory Honours A	12	P Students wishing to do Honours in 2006 should have results of credit or better in at least 48 senior ARHT credit points, including the special entry unit ARHT2901 Recent Approaches to Art and Film or ARHT 2601 Recent Approaches to Art and Film. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 4012 Art History and Theory Honours B	12	CARHT4011	Semester 1, Semester 2
ARHT 4013 Art History and Theory Honours C	12	CARHT4012	Semester 1, Semester 2
ARHT 4014 Art History and Theory Honours D	12	CARHT4013	Semester 1, Semester 2
Arts Informatics			
ARIN 1000 History and Theory of Informatics	6	C ISYS1003 or INFO 1000 or INFO 1003 N Available to BA Informatics, BCST and BIT students only	Semester 1
ARIN 2600 Technocultures	6	P 18 junior credit points NARIN3000	Semester 1
ARIN 2610 Web Production	6	P 18 junior credit points N ARIN 2100.Available to students enrolled in the BAI and BA.	Semester 2, Semester 1, Summer
ARIN 2620 Cyberworlds	6	N ARIN2200Available to students enrolled in the BAI and BA	Semester 1
ARIN 2630 Digital Arts	6	P 18 junior credit points N ARIN 2300 NB: Available to students enrolled in the BA Informatics and BA students. May be cross-listed for an Art History and Theory major.	Semester 2
ARIN 3620 Research Practices in Arts Informatics	6	P ARIN 1000 and either ISYS1003 or INFO 1000 or INFO 1003. N ARIN 2000Available to BAI students only.	Semester 2
ARIN 3650 Arts Informatics Project 1	6	PISYS3403 (ISYS3113), ISYS 3400 (ISYS3207) and ARIN3620 (ARIN2000) N ARIN3500 or ARIN3600Available to BAI students only	Semester 1
ARIN 3660 Arts Informatics Project 2	6	PISYS3403 (ISYS3113), ISYS 3400 (ISYS3207) and ARIN3620 (ARIN2000) ARIN3650 N ARIN3500 or ARIN3600;Available to BAI students only	Semester 2
Asian Studies			
ASNS 1001 Modern Asian History and Cultures 1	6		Semester 1
ASNS 1002 Modern Asian History and Cultures 2	6		Semester 2
ASNS 1101 Introduction to Chinese Civilisation	6	A 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
ASNS 1801 Asian Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
ASNS 2618	6	Remaking Chinese Society, 1949-Present	A Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (e.g., Edwin E. Moise. <i>Modern China: A History</i> . Second edition. Longman, 1994) before the start of the semester. P 12 junior credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology, or any combination of the above. NASNS2118 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Please note that the information provided here is intended to apply to the version of this unit offered in the regular semester. Appropriate adjustments are made for the Summer School version.				Summer, Semester 1
ASNS 2620	6	Classical Indian Philosophy	P 12 Junior credit points in Asian Studies, History, Economic History, Religious Studies, Art History and Theory, Philosophy or an Asian Language. N ASNS 2212				Semester 2
ASNS 2621	6	Buddhist Philosophy	P 18 junior credit points made up from Table A but may include PALI 1001 or PALI 1002. N ASNS 2313				Semester 1
ASNS 2632	6	Modern Japanese Social History	P 12 credit points in Asian Studies, History, Government and International Relations and/or an Asian language. N ASNS 2308 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ASNS 2634	6	Prelude to Modernity: Tokugawa Japan	P 12 credit points in Asian Studies, History, Economic History, Government and International Relations, and/or an Asian language. N ASNS 2304 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ASNS 2636	6	The Enigma of Japanese Power	P 12 Junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian language. NASNS 2306 or JPNS 2316 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ASNS 2640	6	Mass Media in Korea	P 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. N KRNS 2511 or KRNS 2611 or ASNS 2511 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ASNS 2641	6	Traditional Korea	P 12 credit points in Asian Studies, Media Studies, History, Religion, Art History and/or an Asian language. NASNS 2501				Semester 2
ASNS 2642	6	Modern Korea	P 12 credit points in Asian Studies, Media Studies, History, Government and/or an Asian language. NASNS 2502				Semester 2
ASNS 2651	6	Asian Studies Exchange	NB: Department permission required for enrolment.				Semester 1, Semester 2
ASNS 2652	6	Asian Studies Exchange	NB: Department permission required for enrolment.				Semester 1, Semester 2
ASNS 2653	6	Asian Studies Exchange	NB: Department permission required for enrolment.				Semester 1, Semester 2
ASNS 2654	6	Asian Studies Exchange	NB: Department permission required for enrolment.				Semester 1, Semester 2
ASNS 2655	6	Asian Studies Exchange	NB: Department permission required for enrolment.				Semester 1, Semester 2
ASNS 2656	6	Asian Studies Exchange	NB: Department permission required for enrolment.				Semester 1, Semester 2
ASNS 2660	6	Islam, Trade & Society-Arabia to SE Asia	P 12 Junior credit points in Arab World, Islam and the Middle East, Asian Studies, History, Economic History, Government and Public Administration and/or an Asian Language NASNS 2402				Semester 2
ASNS 2661	6	History of Modern Indonesia	P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language or departmental permission. NINMS 2901 or ASNS 2401 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ASNS 2662	6	Southeast Asian Dictators & Democracies	P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology or an Asian Language or departmental permission. NASNS 2414 or ASNS 2416 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ASNS 2670	6	Mass Media in East Asia	P 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. N KRNS 2600, ASNS 2600				Semester 1
ASNS 2671	6	Australia & Asia: Ripples & Reflections	P 12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language. NASNS 2700 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ASNS 2675	Gender in East Asian History and Culture	6	A Students with no prior knowledge of East Asian history are encouraged to read at least one basic textbook (e.g., Murphey, East Asia: A New History) before the start of the semester. P 12 junior credit points from Part A of the Table of Units of Study in the Faculty of Arts. N ASNS 2711 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2	
ASNS 3619	China and Globalisation	6	P 12 credit points in Chinese language or Asian Studies or Government, History, Economic History, Economics, Sociology or Anthropology, or another Asian language, or any combination of the above. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2	
ASNS 3690	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. NASNS/JPNS/CHNS/INMS 3902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2	
ASNS 4011	Asian Studies Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2	
ASNS 4012	Asian Studies Honours B	12	CASNS4011	Semester 1, Semester 2	
ASNS 4013	Asian Studies Honours C	12	CASNS4012	Semester 1, Semester 2	
ASNS 4014	Asian Studies Honours D	12	CASNS4013	Semester 1, Semester 2	
Australian Literature					
ASLT 2601	Australian Literature 1920-1960	6	A None P 18 Junior credit points NASLT2001	Semester 2	
ASLT 2603	Intro to Indigenous Australian Writing	6	A None P 18 Junior credit points NASLT2003 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1	
ASLT 2608	Special Study: Judith Wright and AD Hope	6	P 18 Junior credit points NASLT2008 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2	
ASLT 2609	Australian Literature 1988 to Present	6	P 18 Junior credit points. NASLT2009	Semester 1, Summer	
ASLT 2617	Writing and Justice	6	P 18 Junior credit points. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1	
ASLT 3601	Australian Literature Research Methods	6	P 18 Senior credit points in Australian Literature with credit average NASLT3901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1	
ASLT 3602	Australian Literature Research Issues	6	P 18 Senior credit points in Australian Literature with Credit average and ASLT3601 NASLT3902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2	
ASLT 4011	Australian Literature Honours A	12	P Credit or above in 48 Senior credit points in Australian Literature including ASLT 3901 and 3902 (may include up to 18 Senior credit points of English and/or Australian Studies)) NB: Department permission required for enrolment.	Semester 1, Semester 2	
ASLT 4012	Australian Literature Honours B	12	CASLT4011 NB: RefertoASLT4011	Semester 1, Semester 2	
ASLT 4013	Australian Literature Honours C	12	CASLT4012 NB: RefertoASLT4011	Semester 1, Semester 2	
ASLT 4014	Australian Literature Honours D	12	CASLT4013 NB: RefertoASLT4011	Semester 1, Semester 2	
Australian Studies					
ASTR 2601	Australia: Land and Nation	6	P 18 junior credit points NASTR2001 NB: May be cross listed to a major in Australian Literature. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer, Semester 1	
ASTR 2602	Histories, Narratives and Images	6	P 18 junior credit points NASTR2002 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2	
Biblical Studies					
BBCL 1001	Biblical Studies 1	6		Semester 1	

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
BBCL 1002	Biblical Studies 2	6			Semester 2
BBCL 2603	Prophets	6	PBBCL 1001 and BBCL 1002. N BBCL 2003.		Semester 1
BBCL 2604	Biblical Writings	6	PBBCL1001 and BBCL1002. NBBLC 2004.		Semester 2
BBCL 4011	Biblical Studies Honours A	12	NB: Department permission required for enrolment.		Semester 1, Semester 2
BBCL 4012	Biblical Studies Honours B	12	C BBCL 4011		Semester 2, Semester 1
BBCL 4013	Biblical Studies Honours C	12	C BBCL 4012		Semester 2, Semester 1
BBCL 4014	Biblical Studies Honours D	12	C BBCL 4013		Semester 2, Semester 1
Chinese Studies					
CHNS 1101	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 ASNS 1101, Introduction to Chinese Civilisation. N HSC Chinese for Background Speakers; eligibility for CHNS 1201 or higher. NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.		Semester 1
CHNS 1102	Chinese 1B (For Beginners)	6	A One semester of Chinese at introductory level, preferably using full-form characters. P CHNS 1101 C Students are strongly advised to take CHNS 1600, The Chinese Language, Present and Past. N HSC Chinese for Background Speakers; eligibility for CHNS 1201 or higher.		Semester 2
CHNS 1201	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 ASNS 1101, Introduction to Chinese Civilisation. N HSC Chinese for Background Speakers; eligibility for higher-level classes. NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.		Semester 1
CHNS 1202	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. PCHNS 1201 C Students are strongly advised to take CHNS 1600, The Chinese Language, Present and Past. N HSC Chinese for Background Speakers; eligibility for higher-level classes.		Semester 2
CHNS 1600	The Chinese Language, Present and Past	6	P CHNS 1101 or CHNS 1201 or equivalent. C CHNS 1102, or CHNS 1202, or CHNS 2602 N HSC Chinese for Background Speakers; CHNS 2111; CHNS 2112; CHNS 2903; CHNS 2904; CHNS 1313;CHNS1314		Semester 2
CHNS 1801	Chinese Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CHNS 1802	Chinese Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CHNS 2601	Chinese 2A (Lower Intermediate)	6	A One year (approx. 5 hours/wk for 26 weeks) of Chinese at introductory level, preferably using full-form characters. PCHNS 1102 N HSC Chinese for Background Speakers or equivalent; CHNS 2101		Semester 1
CHNS 2602	Chinese 2B (Lower Intermediate)	6	A Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1,000 characters (preferably full-form). P CHNS 2601 or CHNS 2101 N HSC Chinese for Background Speakers or equivalent; CHNS 2102		Semester 2
CHNS 2611	Classical Chinese A	6	A Minimum of one year of Chinese at introductory level, preferably using full-form characters. P HSC Chinese for Background Speakers (or equivalent) plus department permission; or CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204.		Semester 1
CHNS 2612	Classical Chinese B	6	P CHNS 2611 or CHNS 2111 or CHNS 2903; or CHNS 1313 plus instructor's permission. N CHNS 2112, CHNS 2904, CHNS 1314 NB: Department permission required for enrolment.		Semester 2
CHNS 2650	Chinese In-Country Study A	6	A At least a year of Modern Standard Chinese at tertiary level (or equivalent). P CHNS 1102 or CHNS 1202 (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 must present a coherent academic rationale to the department. NB: Department permission required for enrolment.		Semester 1, Semester 2
CHNS 2651	Chinese In-Country Study B	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CHNS 2652	Chinese In-Country Study C	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CHNS 2653	Chinese In-Country Study D	6	NB: Department permission required for enrolment.		Semester 1, Semester 2

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
CHNS 2654	Chinese In-Country Study E	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
CHNS 2655	Chinese In-Country Study F	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
CHNS 2656	Chinese In-Country Study G	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
CHNS 2657	Chinese In-Country Study H	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
CHNS 2810	Chinese Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
CHNS 2811	Chinese Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2812	Chinese Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2813	Chinese Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 3601	Chinese 3A (Upper Intermediate)	6	A Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS 2602 or CHNS 2102 N HSC Chinese for Background Speakers or equivalent; CHNS 3103	Semester 1
CHNS 3602	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 CHNS 3601 or CHNS 3103. N HSC Chinese for Background Speakers or equivalent; CHNS 3104.	Semester 2
CHNS 3603	Chinese 4A (Advanced)	6	P CHNS 3601 or CHNS 3103 N HSC Chinese for Background Speakers or equivalent; CHNS 2203; CHNS 2204 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
CHNS 3604	Chinese 4B (Advanced)	6	P CHNS 3603 or CHNS 2203 N HSC Chinese for Background Speakers or equivalent; CHNS 2204 NB: This unit is available as a designated "Advanced" unit to students enrolled in the BA (Advanced) degree program.	Semester 2
CHNS 3608	Chinese for Business Purposes (A)	6	P CHNS 2102 or CHNS 1202 or CHNS 2602 C CHNS 3601 or CHNS 3603. N HSC Chinese for Background Speakers or equivalent; CHNS 3421	Semester 1
CHNS 3609	Chinese for Business Purposes (B)	6	A Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. P CHNS 3608 or CHNS 3421 C CHNS 3602 or CHNS 3604 N HSC Chinese for Background Speakers or equivalent; CHNS 3422	Semester 2
CHNS 3633	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 CHNS 1314; or CHNS 3604; or CHNS 2204; or department permission. N CHNS 3533 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
CHNS 3640	Chinese History Through Chinese Eyes	6	A No knowledge of the Chinese language or of Chinese history is required. P 12 junior credit points of Chinese language or 12 junior non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts. (Note: students who hope to attend the Chinese-language tutorials must have successfully completed one of the following: CHNS 2112; CHNS 2904; CHNS 1314; CHNS 2612). N CHNS 3561 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
CHNS 3645	Classical Chinese Prose	6	P CHNS 2112 or CHNS 1314 or CHNS 2904 or CHNS 2612 N CHNS 3547; CHNS 3447 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
CHNS 4011	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 21 1x, 261x and 361x units of study to reach 48 senior credit points; and (2) a Credit average in all qualifying units of study. In addition, CHNS 3902, Approaches to Research on China or ASNS 3690, 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 CHNS 2601 (or 2101) and 2602 (or 2102). Intending Honours students are advised to take as many senior credit points as possible in Chinese language and China-related subjects. NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 4012	Chinese Honours B	12	P See under CHNS 4011. NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 4013	Chinese Honours C	12	P See under CHNS 4011. NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 4014	Chinese Honours D	12	P See under CHNS 4011. NB: Department permission required for enrolment.	Semester 2, Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Classical Studies					
CLCV 1001	Classical Mythology	6			Semester 1
CLCV 1801	Classical Civilisation Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CLCV 1802	Classical Civilisation Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CLSS 1002	Greece and Rome in Performance	6			Semester 2
CLSS 2601	Image and Myth	6	P CLCV 1001 orARCLIOOI N CLCV 1003		Semester 2
CLSS 2603	Greek and Roman Literature - Epic	6	P 18 Junior credit points NGRLT2301		Semester 1
CLSS 2804	Classical Civilisation Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CLSS 2805	Classical Civilisation Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
CLSS 4011	Classics Honours A	12	P Credit results in GRKA 3904 and LATN 3904 NB: Department permission required for enrolment.		Semester 1, Semester 2
CLSS 4012	Classics Honours B	12	CCLSS4011		Semester 1, Semester 2
CLSS 4013	Classics Honours C	12	C CLSS4012		Semester 1, Semester 2
CLSS 4014	Classics Honours D	12	CCLSS4013		Semester 1, Semester 2
Comparative Literary Studies (see: International Comparative Literary Studies)					
English					
ENGL 1000	University English	6	P This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native fluency in English. ENGL 1000 cannot be counted towards the junior credit points required to enrol in senior units of English.		Semester 1, Summer, Semester 2, Winter
ENGL 1002	Narratives of Romance and Adventure	6			Semester 1
ENGL 1005	Language and Image	6	N ENGL 1050		Semester 2
ENGL 1015	Inventing Modernity	6			Semester 2
ENGL 1025	Fiction, Film and Power	6			Semester 1
ENGL 1801	English Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
ENGL 1802	English Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
ENGL 2600	Anglo-Saxon Norse and Celtic Studies	6	P 12 Junior credit points of English excluding ENGL 1000		Semester 1
ENGL 2603	American Literature: Imagining America	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL2003		Semester 1
ENGL 2611	Jane Austen and Her Contemporaries	6	P 12 Junior credit points of English excluding ENGL 1000. NENGL2011		Semester 2
ENGL 2617	Postmodernism	6	P 12 Junior credit points of English excluding ENGL 1000 NENGL2017		Semester 2
ENGL 2619	Theories of Semiotics	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL2019, SMTC 2001, SMTC 2002.		Semester 1
ENGL 2623	Twentieth Century Literature: Modernism	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL2023		Semester 1
ENGL 2626	English Drama: Restoration to Modern	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL2026		Semester 2
ENGL 2627	Reading Sexuality	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL2027		Semester 2
ENGL 2632	British Romantic Literature, 1780-1830	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL2032		Semester 1
ENGL 2646	Romantic Fictions	6	P 12 junior credit points of English excluding ENGL 1000 N ENGL2046		Semester 1, Summer
ENGL 2647	Texts, Grammar and Meaning	6	P 12 Junior credit points of English excluding ENGL 1000 N ENGL 2010, ENGL2047, ENGL 1005LNGS 1005, LNGS 2002, LNGS 2003		Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
ENGL 2650 Reading Poetry	6		P 12 Junior credit points of English excluding ENGL 1000 N ENGL2050				Semester 2
ENGL 2811 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2812 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2813 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2814 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2815 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2816 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2817 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 2818 English Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
ENGL 3601 Modern and Contemporary English Studies	6		P Credit or above in 16 Senior credit points of English NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3611 English Language and Literary Theory A	6		P Credit or above in 16 Senior credit points of English N ENGL3915 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3612 English Language and Literary Theory B	6		P Credit or above in 16 Senior credit points of English N ENGL3925 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ENGL 3621 Studies in Medieval Languages A	6		P Credit or above in 16 Senior credit points of English N ENGL3911 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3622 Studies in Medieval Languages B	6		P Credit or above in 16 Senior credit points of English N ENGL3921 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3631 Further Studies in Medieval Languages A	6		P Credit or above in 16 Senior credit points of English N ENGL3916 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ENGL 3632 Further Studies in Medieval Languages B	6		P Credit or above in 16 Senior credit points of English N ENGL3926 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ENGL 3642 Studies in Medieval Literatures	6		P Credit or above in 16 Senior credit points of English N ENGL3912 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ENGL 3651 Studies in Early Modern English A	6		P Credit or above in 16 Senior credit points of English N ENGL3922; ENGL3913 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3652 Studies in Early Modern English B	6		P Credit or above in 16 Senior credit points of English N ENGL3923 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ENGL 3661 The Long Nineteenth Century A	6		P Credit or above in 16 Senior credit points of English N ENGL3924 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3662 The Long Nineteenth Century B	6		P Credit or above in 16 Senior credit points of English N ENGL3923 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
ENGL 3961 English: The Language and the Canon	6		P Credit or above in 16 senior credit points of English. C ENGL3962 NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
ENGL 3962 English: The Text and the Critic	6		P Credit or above in 16 senior credit points of English. C ENGL3961 NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2

5. Tables of units of study

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ENGL 4101	English Honours A		12	P Credit average in 48 Senior English credit points, including ENGL2901, ENGL2902, ENGL3910, ENGL3920 and two Advanced units. Candidates who were eligible for Honours candidacy according to the Department's guidelines as they were until 2003 should consult the Honours coordinator. From 2006, the prerequisite will be a credit average in 48 senior English points, including ENGL3691, ENGL3692, and two Advanced Units from among ENGL3611 to ENGL3662. NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 4102	English Honours B		12	CENGL14101	Semester 1, Semester 2
ENGL 4103	English Honours C		12	CENGL4102	Semester 1, Semester 2
ENGL 4104	English Honours D		12	CENGL4103	Semester 1, Semester 2
European Studies					
EUST 2805	European Studies Exchange		6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 2806	European Studies Exchange		6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 2807	European Studies Exchange		6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 4011	European Studies Honours A		12	P Permission of Centre for European Studies NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 4012	European Studies Honours B		12	CEUST4011	Semester 1, Semester 2
EUST 4013	European Studies Honours C		12	CEUST4012	Semester 1, Semester 2
EUST 4014	European Studies Honours D		12	CEUST4013	Semester 1, Semester 2
Film Studies					
FILM 4101	Film Studies Honours A		12	P Film Studies Honours IV candidates have obtained results of credit or above in at least 48 senior credit points, within the Film Studies Major. One of these units must include the compulsory core unit for the Film Studies Major, which is ARHT 2052/ARHT 2652 From Silent to Sound Cinema (in 2005 only the core unit was ARHT 2056 National and Transnational Cinema). NB: Department permission required for enrolment.	Semester 1, Semester 2
FILM 4102	Film Studies Honours B		12	CFILM4101	Semester 1, Semester 2
FILM 4103	Film Studies Honours C		12	CFILM4102	Semester 1, Semester 2
FILM 4103	Film Studies Honours C		12	CFILM4102	Semester 1, Semester 2
FILM 4014				NB: *** No info available for 2006. ***	
French Studies					
FRNC 1611	Junior French 1		6	P Complete beginners; or less than 2 years of French; or less than 65% in Beginners HSC French. N FRNC 1101	Semester 1, Summer, Winter
FRNC 1612	Junior French 2		6	PFRNC 1611 or FRNCHO1 or equivalent. N FRNC 1102	Semester 2
FRNC 1621	Junior French 3		6	P Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent. N FRNC 1201	Semester 1
FRNC 1622	Junior French 4		6	PFRNC 1621 or FRNC 1201 or equivalent. N FRNC 1202	Semester 2
FRNC 1631	Junior French 5		6	P HSC French Continuers and Extension or more than 80% in Continuers French. N FRNC 1301	Semester 1
FRNC 1632	Junior French 6		6	PFRNC 1631 or FRNC 1301 or equivalent. N FRNC 1302	Semester 2
FRNC 1801	French Exchange		6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 1802	French Exchange		6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2611	Senior French 1		6	P FRNC 1622, FRNC 1612, FRNC 1202, FRNC 1102 or equivalent. N FRNC 2103	Semester 1
FRNC 2612	Senior French 2		6	P FRNC 2611; FRNC 2103 or equivalent. N FRNC 2104	Semester 2
FRNC 2614	French Reading 1: Text and Society		6	P FRNC 1612, FRNC 1622, FRNC 1102, FRNC 1202 or equivalent. N FRNC 2621, FRNC 3631, FRNC 2501, FRNC 3621 or FRNC 3622	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
FRNC 2615 French Reading 2: Literature and Film	6	P FRNC 2614; FRNC 2501 or equivalent. N FRNC 2502; FRNC 2622; FRNC 3631; FRNC 3621 or FRNC 3622.	Semester 2
FRNC 2621 Senior French 3	6	P FRNC 2612; FRNC2104 or equivalent. N FRNC 3105	Semester 1
FRNC 2622 Senior French 4	6	P FRNC 2621; FRNC 3105 or equivalent. N FRNC 3106	Semester 2
FRNC 2666 Research Methods in French Studies	6	P Credit in FRNC 1632 or FRNC 2615.	Semester 2
FRNC 2671 Francophone Studies 1	6	P FRNC 1632, FRNC 2615, FRNC1302 or FRNC2502 N FRNC 2713 and FRNC 2714	Semester 1
FRNC 2681 French Narrative Cinema	6	P FRNC 1632; FRNC 1302; FRNC 2615 or FRNC2502. N FRNC 2802	Semester 2
FRNC 2692 The Second French Revolution	6	P FRNC 1632; FRNC 1302; FRNC 2615; FRNC 2502 or equivalent. N FRNC 2702	Semester 2
FRNC 2803 French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2804 French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2805 French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2806 French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2807 French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2808 French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 3621 Senior French 5	6	P FRNC 1632; FRNC 1302 or equivalent. N FRNC 2303	Semester 1
FRNC 3622 Senior French 6	6	P FRNC 3621; FRNC2303 or equivalent. N FRNC 2304	Semester 2
FRNC 3631 Senior French 7	6	P FRNC 3622; FRNC 2304 or equivalent.. N FRNC 3305	Semester 1
FRNC 3652 Textual Linguistics	6	P FRNC 1632 or FRNC 2615 or FRNC 1302 or FRNC 2502 or equivalent. N FRNC 3603	Semester 1
FRNC 3653 French Translation	6	P Credit in FRNC 1632; FRNC1302; FRNC 2615; FRNC 2502 or equivalent. N FRNC 3810 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
FRNC 3683 Uses and Interpretation of Literature	6	P FRNC 1632; FRNC 1302; FRNC 2615; FRNC 2502 or equivalent. N FRNC 3807	Semester 1
FRNC 3685 French Renaissance	6	P FRNC 1302; FRNC 1632; FRNC 2615; FRNC 2502 or equivalent. N FRNC 3906 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
FRNC 3693 Intellectual Movements Since 1945	6	P FRNC 1632; FRNC 2615; FRNC 1302; FRNC 2502 or equivalent. N FRNC 3703 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
FRNC 3801 French In-Country Study	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 4011 French Honours A	12	P Major in Advanced French or in French with credit average in 48 Senior units, including at least two of the following Special Entry units: FRNC 2901; FRNC 3906; FRNC 3907; FRNC 3908; FRNC 3909 or equivalent. NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 4012 French Honours B	12	CFRNC4011	Semester 1, Semester 2
FRNC 4013 French Honours C	12	C FRNC4012	Semester 2, Semester 1
FRNC 4014 French Honours D	12	CFRNC4013	Semester 1, Semester 2
Gender Studies			
WMST 1801 Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 1801 Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GCST 2601 Gender, Media and Popular Culture	6	P 18 Junior credit points NWMST2001	Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
GCST 2602	Thinking Gender	6	P 18 Junior credit points N WMST2002	Semester 1
GCST 2604	Sex, Violence and Transgression	6	P 18 Junior credit points N WMST2004 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2, Summer
GCST 2606			NB: *** No info available for 2006. ***	
GCST 2607	Bodies, Sexualities, Identities	6	P 18 junior credit points. N WMST2007 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2, Summer
GCST 2608	Gender, Communities and Difference	6	P 18 junior credit points. N WMST2008 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GCST 2609	Cultures of Masculinities	6	P 18 junior credit points. N WMST2009 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2, Summer
GCST 2610	Intimacy, Love and Friendship	6	P 18 junior credit points NWMST2010 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GCST 2611	Everyday Cultures	6	P 18 junior credit points NWMST2011 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GCST 2612	Youth Cultures: Images & Ideas of Youth	6	P 18 junior credit points NWMST2012 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GCST 2804	Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
GCST 2805	Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GCST 2806	Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GCST 2810	Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GCST 2811	Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GCST 3601	Gender, Race and Australian Identities	6	P WMST2001 and one of WMST2002 and WMST2007 NWMST3001 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GCST 3603			NB: *** No info available for 2006. ***	
WMST 4011	Gender Studies Honours A	12	P Credit or above in WMST2001, WMST2002 and WMST3001 and a further 24 credit points in Gender Studies. NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 4012	Gender Studies Honours B	12	CWMST4011	Semester 1, Semester 2
WMST 4013	Gender Studies Honours C	12	CWMST4012	Semester 1, Semester 2
WMST 4014	Gender Studies Honours D	12	CWMST4013	Semester 1, Semester 2
Germanic Studies				
GRMN 1111	Junior German 1	6	N HSC German Extension, German Continuers, German Beginners 65% or above or equivalent.	Semester 1
GRMN 1122	Junior German 2	6	P GRMN 1111	Semester 2
GRMN 1211	Junior German 3	6	P HSC German Beginners 65% or above or German Continuers below 70% or equivalent.	Semester 1
GRMN 1222	Junior German 4	6	P GRMN 1211.	Semester 2
GRMN 1311	Junior German 5	6	P HSC German Extension or German Continuers 70% or above or equivalent.	Semester 1
GRMN 1322	Junior German 6	6	P GRMN 1311.	Semester 2

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
GRMN 2611	Senior German 1	6	P GRMN 1122. N GRMN 2211 or GRMN 2222 or GRMN 2311 or GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.	Semester 1
GRMN 2612	Senior German 2	6	P GRMN 2611 or GRMN 2211. N GRMN 2222 or GRMN 2311 or GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.	Semester 2
GRMN 2613	Senior German 3	6	P GRMN 1222 or GRMN 2222 or GRMN 2612 N GRMN 2311 or GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.	Semester 1
GRMN 2614	Senior German 4	6	P GRMN 2613 or GRMN 2311. N GRMN 2322 or GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.	Semester 2
GRMN 2615	Senior German 5	6	P GRMN 2322 or GRMN 2614. N GRMN 2331 or GRMN 2342 or GRMN 2351 or GRMN 2362.	Semester 1
GRMN 2616	Senior German 6	6	P GRMN 1322 or GRMN 2615. N GRMN 2342 or GRMN 2351 or GRMN 2362.	Semester 1
GRMN 2617	Senior German 7	6	P GRMN 2616 or GRMN 2331. N GRMN 2351 or GRMN 2362.	Semester 2
GRMN 2618	Senior German 8	6	P GRMN 2351 or GRMN 2617. N GRMN 2362.	Semester 1
GRMN 2631	Reading Comprehension and Text Study	6	P (GRMN1111 and GRMN1122) or (GRMN1211 and GRMN 1222). N GRMN 1311 or GRMN 1322 or GRMN2342 or GRMN 2616 or GRMN 2530 or GRMN 2351 or GRMN 2617 or GRMN 2362 or GRMN 2618.	Semester 1
GRMN 2632	Early 20th Century German Culture	6	P 12 Junior credit points of German not including GRMN 1133. N GRMN 2450.	Semester 1
GRMN 2633	Topics in German Film	6	P 12 Junior credit points of German not including GRMN 1133. N GRMN 2455	Semester 1
GRMN 2634	The Fantastic in German Literature	6	P 12 Junior credit points of German not including GRMN 1133.	Semester 2
GRMN 2635	Contemporary German Fiction	6	P 12 Junior credit points of German not including GRMN 1133. N GRMN 2913. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GRMN 2636	Later 20th Century German Culture	6	P 12 Junior credit points of German not including GRMN 1133. N GRMN 2420 or GRMN 2451	Semester 1
GRMN 2637	Business German	6	P GRMN 1222, GRMN 1322 or GRMN 2612.	Semester 2
GRMN 2681	Goethe's 'Faust'	6	P Credit average in 12 Junior credit points of German not including GRMN 1133. N GRMN 2910 or GRMN 2912. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRMN 2682	Foreign & Exotic in the German World	6	P Credit average in 12 Junior credit points of German not including GRMN 1133. N GRMN 3702. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GRMN 2811	Germanic Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2812	Germanic Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2813	Germanic Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2814	Germanic Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2815	Germanic Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 4011	German Honours A	12	P A major in German with a Credit average in 48 Senior credit points of German including 8 credit points of study at 2900 / 3700 level. NB: Department permission required for enrolment. Department permission required for enrolment.	Semester 1, Semester 2
GRMN 4012	German Honours B	12	C GRMN4011	Semester 1, Semester 2
GRMN 4013	German Honours C	12	C GRMN4012	Semester 1, Semester 2
GRMN 4014	German Honours D	12	C GRMN4013	Semester 1, Semester 2
Greek (Ancient)				
GRKA 1001	Greek 1.1	6	N GRKA 1101	Semester 1
GRKA 1002	Greek 1.2	6	P GRKA 1001 N GRKA 1102	Semester 2
GRKA 2603	Greek 2.1	6	P GRKA 1002 or GRKA 2302 and GRKA 2312 or GRKA2612 N GRKA1101, GRKA1102 and GRKA2003	Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
GRKA 2604	Greek 2.2	6	P GRKA 2003 or GRKA2603 N GRKA1102 and GRKA2004	Semester 2
GRKA 2605	Greek 2.3	6	P 12 credit points in Greek (GRKA) C GRKA2603 NGRKA2901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRKA 2606	Greek 2.4	6	P GRKA2603 or GRKA2003 C GRKA2604 N GRKA2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GRKA 2611	Accelerated Greek 2.1	6	P 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation/ Classical Studies or Latin or Ancient History or Philosophy <or Modern Greek., or by special permission. NGRKA 1001 and 2301	Semester 1
GRKA 2612	Accelerated Greek 2.2	6	P GRKA2301 or GRKA2611 N GRKA 1002 and GRKA2302	Semester 2
GRKA 2804	Greek (Ancient) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRKA 2805	Greek (Ancient) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRKA 3607	Greek 3.1	6	P GRKA 2004 or GRKA2604 N GRKA3005	Semester 1
GRKA 3608	Greek 3.2	6	P GRKA3005 or GRKA3607 N GRKA3006	Semester 2
GRKA 3609	Greek 3.3	6	P 24 credit points of Senior Greek N GRKA3903 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRKA 3610	Greek 3.4	6	P GRKA3903 or GRKA3609 N GRKA3904 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GRKA 4011	Greek Honours A	12	P Credit in 60 credit points of Greek including GRKA3903 and GRKA3904 and either GRKA3105 and GRKA3106 or GRKA3005 and GRKA3006. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRKA 4012	Greek Honours B	12	P RefertoGRKA4011 C GRKA4011	Semester 1, Semester 2
GRKA 4013	Greek Honours C	12	P RefertoGRKA4011 C GRKA4012	Semester 1, Semester 2
GRKA 4014	Greek Honours D	12	P RefertoGRKA4011 C GRKA4013	Semester 2, Semester 1
Hebrew (Classical)				
HBRW 1111	Hebrew Classical B1	6	NHBRW1311	Semester 1
HBRW 1112	Hebrew Classical B2	6	P HBRW 1111. NHBRW1312	Semester 2
HBRW 2625	Hebrew Classical 5	6	P HBRW 1112 or HBRW 2632 or HBRW 2402 or HSC Hebrew or equivalent. N HBRW 2115. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HBRW 2626	Hebrew Classical 6	6	P HBRW 1112 or HBRW 2632 or HSC Hebrew or equivalent. N HBRW 2116. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HBRW 2631	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 HBRW 1111; HBRW 1112; HBRW 2401.	Semester 1
HBRW 2632	Hebrew Accelerated C2	6	P HBRW 2631. N HBRW 1112; HBRW 2402.	Semester 2
HBRW 2643	Aramaic 3	6	P HBRW 1112 or HBRW 2632 or HBRW 2402 or HSC Hebrew or equivalent. N HBRW 3901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HBRW 2644	Aramaic 4	6	P HBRW 1112 or HBRW 2632 or HSC equivalent. N HBRW 3902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
HBRW 2651 Syriac 1	6	P HBRW1112 or HBRW2632 or HBRW2402 or HSC Hebrew or equivalent. NHBRW2911.	Semester 1
HBRW 2652 Syriac 2	6	PHBRW2651. NHBRW2912.	Semester 2
HBRW 2661 Akkadian Language 1	6	P HBRW1111 and HBRW1112 or equivalent in these or another Semitic language. NANHS3923.	Semester 1
HBRW 2662 Akkadian Language 2	6	PHBRW2661. NANHS3922.	Semester 2
HBRW 3653 Syriac 3	6	P HBRW2652. NHBRW3911.	Semester 1
HBRW 3654 Syriac 4	6	PHBRW3653. NHBRW3912.	Semester 2
HBRW 4011 Hebrew (Classical) Honours A	12	P Credit results in (HBRW 2115 or HBRW 2625) and (HBRW 2116 or HBRW 2626), plus 16 extra credit points from the Department of Hebrew, Biblical and Jewish Studies. NB: Department permission required for enrolment.	Semester 1, Semester 2
HBRW 4012 Hebrew (Classical) Honours B	12	CHBRW4011	Semester 1, Semester 2
HBRW 4013 Hebrew (Classical) Honours C	12	C HBRW4012	Semester 1, Semester 2
HBRW 4014 Hebrew (Classical) Honours D	12	C HBRW4013	Semester 1, Semester 2
Hebrew (Modern)			
HBRW 1011 Hebrew Modern B1	6		Semester 1
HBRW 1102 Hebrew Modern B2	6	P HBRW 1011 or equivalent knowledge as determined by the department. NHBRW1302	Semester 2
HBRW 2603 Hebrew Modern 3	6	P HBRW1102 or equivalent knowledge as determined by the department. NHBRW2103.	Semester 1
HBRW 2604 Hebrew Modern 4	6	PHBRW1102 NHBRW2104.	Semester 2
HBRW 2605 Hebrew Modern 5	6	PHBRW1102 NHBRW2105.	Semester 1
HBRW 2606 Hebrew Modern 6	6	PHBRW1102 NHBRW2106.	Semester 2
HBRW 2607 Hebrew Modern 7	6	P HBRW2606, or Modern Hebrew HSC, or equivalent knowledge as determined by the department. NHBRW1301	Semester 1
HBRW 2608 Hebrew Modern 8	6	P HBRW2607, or equivalent knowledge as determined by the department. NHBRW1302	Semester 2
HBRW 2609 Hebrew Modern 9	6	P HBRW2608, or equivalent knowledge as determined by the department N HBRW2303	Semester 1
HBRW 2610 Hebrew Modern 10	6	P HBRW2608 N HBRW2304.	Semester 2
HBRW 2611 Hebrew Modern 11	6	P HBRW2608 or equivalent knowledge as determined by the department. N HBRW2305.	Semester 1
HBRW 2612 Hebrew Modern 12	6	P HBRW2608 or equivalent knowledge as determined by the department. N HBRW2306.	Semester 2
HBRW 4021 Hebrew (Modern) Honours A	12	P Consult Department for details NB: Department permission required for enrolment.	Semester 1, Semester 2
HBRW 4022 Hebrew (Modern) Honours B	12	C HBRW4021	Semester 2, Semester 1
HBRW 4023 Hebrew (Modern) Honours C	12	C HBRW4022	Semester 1, Semester 2
HBRW 4024 Hebrew (Modern) Honours D	12	C HBRW4023	Semester 1, Semester 2
Heritage Studies			
HRTG 2601 Approaching Heritage Studies	6	P At least 18 junior credit points. NHRTG2001	Semester 1
HRTG 2602 The Museum and Cultural Heritage	6	P HRTG 2001 or HRTH2601 or ARHT2034 N HSTY2022	Semester 2
HRTG 2804 Heritage Studies Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
HRTG 2805 Heritage Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HRTG 2806 Heritage Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
HRTG 2809	Heritage Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HRTG 2810	Heritage Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HRTG 3601	Heritage Museums and the Public Sphere	6	P HRTG 2001 or HRTG2601 or ARHT2034 N HRTG3001	Semester 1
HRTG 3602	Social History and Heritage Studies	6	P HRTG 2001 or HRTG2601 or ARHT2034 N HRTG3002	Semester 2
Hindi-Urdu				
HIUR 1001	Hindi and Urdu Introductory 1	6		Semester 1
HIUR 1002	Hindi and Urdu Introductory 2	6	P HIUR 1001	Semester 2
HIUR 2601	Hindi and Urdu Intermediate 1	6	P HIUR 1002 or equivalent N HIUR 2001	Semester 1
HIUR 2602	Hindi and Urdu Intermediate 2	6	P HIUR 2001 or HIUR 2601 or equivalent N HIUR 2002	Semester 2
HIUR 3601	Hindi and Urdu Advanced 1	6	P HIUR 2002 or HIUR 2602 or equivalent N HIUR 3001	Semester 1
HIUR 3602	Hindi and Urdu Advanced 2	6	P HIUR 3601 or equivalent N HIUR 3002	Semester 2
History				
HSTY 1022			NB: *** No info available for 2006. ***	
HSTY 1025	The Middle Ages (500-1500)	6		Semester 1
HSTY 1031	Renaissance and Reformation (1498-1648)	6		Semester 2
HSTY 1034			NB: *** No info available for 2006. ***	
HSTY 1043			NB: *** No info available for 2006. ***	
HSTY 1044	Twentieth Century Politics and Culture	6	N HSTY 1043	Semester 2
HSTY 1045	Modern European History 1750-1914	6		Semester 1
HSTY 1076	American History from Lincoln to Clinton	6	N HSTY2035	Semester 1
HSTY 1088	Australian History: An Introduction	6		Semester 2
HSTY 1801	History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 1802	History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 2304	Imperialism, 1815-2000	6		Semester 2
HSTY 2603	Cultural Transmissions 1750-1914	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. N HSTY2003	Semester 2
HSTY 2607	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	Semester 2
ANHS 2608	The World Turned Upside Down	6	P 12 junior credit points of ANHS or HSTY or ASNS OR 6 junior credit points of ANHS or HSTY or ASNS and 6 junior credit points of either CLSS, LATN, GRKA, ARCL or ARNE N HSTY2024	Semester 2
HSTY 2608	Film and History	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2008	Semester 1
HSTY 2609	African-American History and Culture	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2009	Semester 2
HSTY 2613	Modern Russia: State, Society, Culture	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2013	Semester 1
HSTY 2614	Australian Social History 1919-1998	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2014	Semester 1, Summer
HSTY 2618	Mediterranean World in High Middle Ages	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2018	Semester 1
HSTY 2625	Culture and Society in Modern Britain	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2025	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
HSTY 2647 Renaissance Italy	6		P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. N HSTY2047				Semester 1, Summer
HSTY 2650			NB: *** No info available for 2006. ***				
HSTY 2653 Reformation and Society	6		P 12 Junior credit points of History or Ancient History, European History or Asian History and Culture N HSTY2053 NB: Two 1 hour lectures and one 1 hour tutorial a week				Semester 2
HSTY 2655 Race Relations and Australian Frontiers	6		P 12 credit points in Junior History, Ancient History or Economic History N HSTY2055				Semester 2
HSTY 2661			NB: *** No info available for 2006. ***				
HSTY 2663 Natives and Newcomers	6		P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2063				Semester 1
HSTY 2665 Festivals and Faith	6		P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture N HSTY2065				Semester 2
HSTY 2666 American Revolutions	6		P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture N HSTY2066				Semester 2
HSTY 2670 New York, New York	6		P 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture				Semester 1
HSTY 2691 Writing History	6		P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. NHSTY2901, ANHS2691 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
HSTY 2805 History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
HSTY 2806 History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
HSTY 2809 History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
HSTY 2810 History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
HSTY 2811 History Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
HSTY 3601 History of Travel and Tourism	6		P 24 Senior credit points of History NHSTY3001 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
HSTY 3612 Sydney: An Autobiography	6		P 24 Senior credit points in History				Semester 1
HSTY 3622			NB: *** No info available for 2006. ***				
HSTY 3641 Australia and the World 1850-1950	6		P 24 Senior credit points of History NHSTY3041 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
HSTY 3642 Australia and the World 1950-Present	6		P 24 Senior credit points of History N HSTY3042 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
HSTY 3643 Paris: Place and People	6		P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2043				Semester 2
HSTY 3649			NB: *** No info available for 2006. ***				
HSTY 3650			NB: *** No info available for 2006. ***				
HSTY 3651 Writing Place: Land & Memory in History	6		P 24 Senior credit points of History N HSTY3050 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
HSTY 3674			NB: *** No info available for 2006. ***				
HSTY 3681 Ways of Seeing the Italian Renaissance	6		P 24 Senior credit points of History NHSTY3081 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
HSTY 3683 Race, Empire and Bondage	6		P 24 Senior credit points of History N HSTY3083 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
HSTY 3684 Culture of Empire	6	P 24 senior credit points of History N HSTY3084 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3685 The Celtic World	6	P 24 Senior credit points in History NHSTY3085 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3696 Daughters of Eve	6	P 24 Senior credit points of History N HSTY3096 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3698 Class Struggles in the Atlantic World	6	P 24 senior credit points of History N HSTY3098 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3699 Public & Private Life: Britain 1707-1901	6	P 24 Senior credit points of History N HSTY3099 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 4011 History Honours A	12	P Credit average in 48 Senior credit points of History, including HSTY2901 and HSTY2902, and 8 credit points of study at 3000 level NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 4012 History Honours B	12	P See under HSTY4011 CHSTY4011	Semester 1, Semester 2
HSTY 4013 History Honours C	12	P See under HSTY4011 CHSTY4012	Semester 1, Semester 2
HSTY 4014 History Honours D	12	P See under HSTY4011 CHSTY4013	Semester 1, Semester 2
Indonesian and Malay Studies			
INMS 1101 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. NB: Native or near native speakers of Indonesian or Malay must consult the department before enrolling.	Semester 1
INMS 1102 Indonesian 1B	6	PINMS 1101 NINMS 1301, INMS 1302	Semester 2
INMS 2601 Indonesian 2A	6	P INMS 1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission. N 8 credit point units of study numbered INMS 2101 or above.	Semester 1
INMS 2602 Indonesian 2B	6	P INMS 2601 or INMS 2101. N 8 credit point units of study numbered INMS 2102 or above.	Semester 2
INMS 2650 Indonesian In Country Study A	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2651 Indonesian In Country Study B	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2652 Indonesian In Country Study C	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2653 Indonesian In Country Study D	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2654 Indonesian In Country Study E	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2655 Indonesian In Country Study F	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2656 Indonesian In Country Study G	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2657 Indonesian In Country Study H	6	PINMS 1102 or INMS 2101 or INMS 2601. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2805 Indonesian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2806 Indonesian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2807 Indonesian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2808 Indonesian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 3601 Indonesian 3A	6	P INMS 2602 or INMS 2102 or department permission. N 8 credit point units of study numbered INMS3101 or above.	Semester 1
INMS 3602 Indonesian 3B	6	PINMS 3601 or INMS 3101. N 8 credit points of units of study numbered INMS 3102 or above.	Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
INMS 3603 Indonesian Advanced Studies A	6	P INMS 3602 or INMS 3102 or department permission. N INMS 3301, INMS 3302 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
INMS 3604 Indonesian Advanced Studies B	6	P INMS 3602 or INMS 3102 or department permission. N INMS 3302 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
INMS 4011 Indonesian and Malay Studies Honours A	12	P INMS 3102 or INMS 3302 and INMS 3902, all at Credit level NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 4012 Indonesian and Malay Studies Honours B	12	C INMS4011	Semester 2, Semester 1
INMS 4013 Indonesian and Malay Studies Honours C	12	C INMS4012	Semester 1, Semester 2
INMS 4014 Indonesian and Malay Studies Honours D	12	C INMS4013	Semester 1, Semester 2

International and Comparative Literary Studies

ICLS 2621 Love in Different Languages	6	P At least 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
ICLS 2622 Great Books of the Twentieth Century	6	P At least 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

Italian Studies

ITLN 1611 Introductory Italian 1	6	N ITLN 1201; ITLN 1301; ITLN 1621; ITLN 1631; ITLN 1101. NB: 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.	Summer, Semester 1
ITLN 1612 Introductory Italian 2	6	P ITLN 1611; ITLN 1101 or equivalent. N ITLN 1202; ITLN 1302; ITLN 1632; ITLN 1102.	Semester 2
ITLN 1621 Junior Intermediate Italian 1	6	P HSC Italian (Beginners or 2UZ) or equivalent language knowledge. N ITLN 1101; ITLN 1301; ITLN 1611; ITLN 1631 or ITLN 1201.	Semester 1
ITLN 1631 Junior Advanced Italian 1	6	P HSC Italian (Continuers, Extension, 2U, 3U) or equivalent language knowledge. N ITLN 1201; ITLN 1101; ITLN 1621; ITLN 1611; ITLN 1301.	Semester 1
ITLN 1632 Junior Advanced Italian 2	6	P ITLN 1201, ITLN 1621 or ITLN 1631 N ITLN 1102; ITLN 1302; ITLN 1402.	Semester 2
ITLN 1801 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 1802 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2611 Intermediate Italian 3	6	P ITLN 1612; ITLN 1102 or equivalent language knowledge. N ITLN 2631; ITLN 2101; ITLN 2201; ITLN 2301.	Semester 1
ITLN 2612 Intermediate Italian 4	6	P ITLN 2611; ITLN 2101 or equivalent language knowledge. N ITLN 2632; ITLN 2202; ITLN 2302.	Semester 2
ITLN 2631 Senior Italian 3	6	P ITLN 1632; ITLN 1202; ITLN 1302 or equivalent language knowledge. N ITLN 2611; ITLN 2201; ITLN 2101; ITLN 2301.	Semester 1
ITLN 2632 Senior Italian 4	6	P ITLN 2631; ITLN 2201 or ITLN 2301. N ITLN 2612; ITLN 2202 or ITLN 2302.	Semester 2
ITLN 2811 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ITLN 2812 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ITLN 2813 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2814 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2815 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ITLN 2816 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ITLN 2817 Italian Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
ITLN 3611 Senior Italian 5	6	P ITLN 2612; ITLN 2202 or equivalent language knowledge. N ITLN 3631; ITLN 3201 or ITLN 3301	Semester 1
ITLN 3612 Senior Italian 6	6	P ITLN 3611; ITLN 3201 or equivalent language knowledge. N ITLN 3202 or ITLN 3302.	Semester 2
ITLN 3631 Senior Italian 7	6	P ITLN 2632; ITLN 2302 or equivalent language knowledge. N ITLN 3611; ITLN 3301; ITLN 3201.	Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ITLN 3671	Dante: Inferno	6	P ITLN 2612; ITLN 3612, ITLN 2202 or equivalent language knowledge. N ITLN 3701 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3672	Dante: Purgatorio	6	A Adequate language level. P ITLN 3671 or ITLN 3701. N ITLN 3702 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ITLN 3675	Renaissance Florence	6	P ITLN 1632 (not waived for cross listing), ITLN 1202; ITLN 1302; ITLN 2612; ITLN 2202 or equivalent language knowledge. N ITLN 3706 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ITLN 3679	Filming Fiction: The Italian Experience	6	P ITLN 1612; ITLN 1632; ITLN 1102; ITLN 1202; ITLN 1302 or equivalent knowledge.	Semester 1
ITLN 3681	Representations of Southern Italy	6	P ITLN 1632; ITLN 2612; ITLN 1202; ITLN 1302 or equivalent language knowledge. N ITLN 3761	Semester 2
ITLN 3682	Fiction of Youth	6	P ITLN 1632; ITLN 2612; ITLN 1202; ITLN 1302; ITLN 2202 or equivalent language knowledge. N ITLN 3763 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3684	Italian Sociolinguistics	6	P ITLN 1202; ITLN 1302; ITLN 1632; ITLN 2612; ITLN 2202 or equivalent language knowledge. N ITLN 3752 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3686	Italian Language Acquisition	6	P ITLN 1632; ITLN 2612; ITLN 1302; ITLN 2202 or equivalent language knowledge. N ITLN 3753 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3687	Focus on Writing in Italian	6	P ITLN 3631; ITLN 3612; ITLN 3301; ITLN 3202; ITLN 3302 or equivalent language knowledge. N ITLN 3611; ITLN 3631 or ITLN 3401.	Semester 1
ITLN 3688	Advanced Italian: Translation	6	P ITLN 3611; ITLN 3612; ITLN 3302; ITLN 3202; ITLN 3401; ITLN 3687. N ITLN 3402	Semester 2
ITLN 3689	Italian Today: From Print to Cyberspace	6	P ITLN 1632; ITLN 1302; ITLN 1202; ITLN 2612 or ITLN 2202.	Semester 2
ITLN 3692	Italian Research Methodologies	6	P Credit average in previous Italian units and a minimum of 12 junior credit points in Italian. N ITLN 2902 NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ITLN 4011	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 consisting of 2 special entry units (ITLN 3691 and ITLN 3692). Intending Honours students should attain a Credit average result in senior Italian units of study taken as a part of their Major. NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 4012	Italian Honours B	12	CITLN4011	Semester 1, Semester 2
ITLN 4013	Italian Honours C	12	CITLN4012	Semester 1, Semester 2
ITLN 4014	Italian Honours D	12	CITLN4013	Semester 1, Semester 2
Japanese Studies				
JPNS 1611	Japanese 1	6	N JPNS 1111; HSC Japanese Beginners 65% or above; HSC Japanese Continuers or HSC Japanese Extension	Summer, Semester 1, Winter
JPNS 1612	Japanese 2	6	P JPNS 1111 or JPNS 1611. N JPNS 1121	Summer, Semester 2
JPNS 1801	Japanese Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 1802	Japanese Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2611	Japanese 3	6	P 65% or more in HSC Japanese Beginners or less than 70% in Japanese Continuers; or JPNS 1121 (from 2007 JPNS 1612). NJPNS 1114; JPNS 2212.	Semester 1
JPNS 2612	Japanese 4	6	P JPNS 1114 or JPNS 2212 or JPNS 2611. NJPNS 1124; JPNS 2222.	Semester 2
JPNS 2621	Japanese 5	6	P HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department; or JPNS 1124 or JPNS 2222 (from 2007, HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department or JPNS 1612). NJPNS 2213.	Semester 1
JPNS 2622	Japanese 6	6	P JPNS 2621 or JPNS 2213. NJPNS 2223.	Semester 2

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
JPNS 2660	Introduction to Japan	6	P JPNS 1121 (from 2007 JPNS 1612).	Semester 2
JPNS 2670	Japanese Literature	6	P JPNS 1124 or JPNS 2222 (from 2007, JPNS 2612). N JPNS 3116; JPNS 3621; JPNS 2301; JPNS 3631; JPNS 3301.	Semester 1
JPNS 2672	Japanese Culture	6	P JPNS 1124 or JPNS 2222 (from 2007 JPNS 2612). N JPNS 3106; JPNS 2301; JPNS 3621; JPNS 3301; JPNS 3631.	Semester 2
JPNS 2811	Japanese Exchange 3	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2812	Japanese Exchange 4	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2813	Japanese Exchange 5	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2814	Japanese Exchange 6	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2815	Japanese Exchange 7	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 3621	Japanese 7	6	P JPNS 1123; JPNS 2223 (from 2007 JPNS 2622). N JPNS 2301.	Semester 1
JPNS 3622	Japanese 8	6	P JPNS 3621 or JPNS 2301. N JPNS 2302.	Semester 2
JPNS 3631	Japanese 9	6	P JPN 2302 (from 2007 JPNS 3622). N JPNS 3301.	Semester 1
JPNS 3632	Japanese 10	6	P JPNS 3631 or JPNS 3301. N JPNS 3302.	Semester 2
JPNS 3670	Topics on Modern Japan	6	P JPNS 1123 or JPNS 2223 (from 2007 JPNS 2622). N JPNS 2901; JPNS 2902. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
JPNS 3671	Japanese Linguistics	6	P JPNS 1123 or JPNS 2223 (from 2007 JPNS 2622). N JPNS 2308.	Semester 2
JPNS 3673	Japanese Society	6	P JPNS 1123 or JPNS 2223 (from 2007 JPNS 2622). N JPNS 3314.	Semester 1
JPNS 3841	Japan In-Country Study 1	6	P 12 Junior JPNS credit points. NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 3842	Japan In-Country Study 2	6	P 12 Junior JPNS credit points. NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 4011	Japanese Honours A	12	P Credit result in JPNS 3901 and JPNS 3902. NB: Department permission required for enrolment.	Semester 2, Semester 1
JPNS 4012	Japanese Honours B	12	C JPNS4011	Semester 2, Semester 1
JPNS 4013	Japanese Honours C	12	C JPNS4012	Semester 1, Semester 2
JPNS 4014	Japanese Honours D	12	C JPNS4013	Semester 2, Semester 1
Jewish Civilisation, Thought and Culture				
JCTC 1001	Palestine: Roman Rule to Islam	6		Semester 1
JCTC 1002	Jewish Settlement Outside Palestine	6	P JCTC 1001.	Semester 2
JCTC 1801	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2603	JCTC Jews Under the Crescent and the Cross	6	P JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1045; HSTY 1076; HSTY 1088; RLST 1001; RLST 1002. N JCTC 2003. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
JCTC 2604	From Expulsion to Regeneration	6	P JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1045; HSTY 1076; HSTY 1088; RLST 1001; RLST 1002. N JCTC 2004. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
JCTC 2605	From Emancipation to the Holocaust	6	P JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1054; HSTY 1076; HSTY 1088. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
JCTC 2606	The Holocaust: History and Aftermath	6	P JCTC 1001 or one of HSTY 1022; HSTY 1031; HSTY 1043; HSTY 1054; HSTY 1076; HSTY 1088. N JCTC 2006. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2, Summer

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
JCTC 2811	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2812	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2813	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2814	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2815	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2816	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 4011	Judaic Studies Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 4012	Judaic Studies Honours B	12	C JCTC 4011.	Semester 1, Semester 2
JCTC 4013	Judaic Studies Honours C	12	C JCTC 4012.	Semester 1, Semester 2
JCTC 4014	Judaic Studies Honours D	12	C JCTC 4013.	Semester 1, Semester 2
Korean Studies				
KRNS 1621	Korean 1	6	NKRNS 1101	Semester 1
KRNS 1622	Korean 2	6	PKRNS 1621 or KRNS 1101 NKRNS 1102	Semester 2
KRNS 1631	Korean 9	6	P Heritage speakers of Korean who have less than 2 years of formal education in Korean. NKRNS 1301.	Semester 1
KRNS 1632	Korean 10	6	PKRNS 1631 NKRNS 1302	Semester 2
KRNS 1801	Korean Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2621	Korean 3	6	PKRNS 1621 or KRNS 1102 NKRNS 2001; KRNS 2111	Semester 1
KRNS 2622	Korean 4	6	P KRNS 2621 or KRNS 2111 N KRNS 2002; KRNS 2112	Semester 2
KRNS 2671	Translation and Interpretation	6	P KRNS 1632; KRNS 1302, or native speakers of Korean. N KRNS 2400	Semester 1
KRNS 2675	Contemporary Korean Society and Culture:	6	P 12 credit points in KRNS. NKRNS 2500	Semester 2
KRNS 2681	Korean In-Country Study A	6	PKRNS 1621 or KRNS 1631 NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2682	Korean In-Country Study B	6	PKRNS 1621 or KRNS 1631 NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2811	Korean Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2812	Korean Studies Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
KRNS 2813	Korean Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2814	Korean Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2815	Korean Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 3621	Korean 5	6	P KRNS 2622 or KRNS 2002 NKRNS 3001	Semester 1
KRNS 3622	Korean 6	6	P KRNS 3621 or KRNS 3001 NKRNS 3002	Semester 2
KRNS 4011	Korean Honours A	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 4012	Korean Honours B	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. CKRNS4011	Semester 1, Semester 2
KRNS 4013	Korean Honours C	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. CKRNS4012	Semester 2, Semester 1
KRNS 4014	Korean Honours D	12	P Credits in all senior KRNS units including KRNS3901and KRNS3902. CKRNS4013	Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Latin							
LATN 1001	Latin 1.1	6	NLATN1101				Semester 1
LATN 1002	Latin 1.2	6	P LATN 1001 N LATN 1102				Semester 2
LATN 1101	Advanced Latin 1.1	6	P HSC Latin Continuers N LATN 1001				Semester 1
LATN 1102	Advanced Latin 1.2	6	PLATN1101 N LATN 1002				Semester 2
LATN 1801	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 1802	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 2603	Latin 2.1	6	P LATN 1002 or LATN2312 or LATN2612 or LATN1102 N LATN2003				Semester 1
LATN 2604	Latin 2.2	6	P LATN2003 or LATN2603 N LATN2004				Semester 2
LATN 2605	Special Latin 2.1	6	P 12 credit points of Latin C 6 credit points of Latin at 2000 level NLATN2901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
LATN 2606	Special Latin 2.2	6	P 12 credit points of Latin C 6 credit points of Latin at 2000 level N LATN2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
LATN 2611	Accelerated Latin 2.1	6	P 18 junior credit points including 12 credit points in Archaeology, Classical Civilisation / Studies, Classical Greek, Ancient History or Philosophy, or by permission. NLATN1001 andLATN2301				Semester 1
LATN 2612	Accelerated Latin 2.2	6	P LATN2302 or LATN2611 N LATN1002 and LATN2302				Semester 2
LATN 2804	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 2805	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 2806	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 2810	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 2811	Latin Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 3607	Latin 3.1	6	P 16 Senior credit points of Latin N LATN3005				Semester 1
LATN 3608	Latin 3.2	6	P LATN3005 or LATN3607 N LATN3006				Semester 2
LATN 3609	Latin 3.3	6	P 18 Senior credit points of Latin C 6 credit points of Latin at 3000 level N LATN3903 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
LATN 3610	Latin 3.4	6	P 18 Senior credit points of Latin C 6 credit points of Latin at 3000 level N LATN3904 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
LATN 4011	Latin Honours A	12	P LATN 3006 and LATN 3904 (Credit) NB: Department permission required for enrolment.				Semester 1, Semester 2
LATN 4012	Latin Honours B	12	CLATN4011				Semester 1, Semester 2
LATN 4013	Latin Honours C	12	C LATN4012				Semester 1, Semester 2
LATN 4014	Latin Honours D	12	C LATN4013				Semester 1, Semester 2
Legal Studies (no major available)							
LAWS 1100	Introduction to Civil Liability	6	P SLSS1001 Introduction to Socio-Legal Studies NB: This unit of study is offered by the Faculty of Law to students enrolled in the first year of the Bachelor of Arts and Sciences (BAS) degree only.				Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
SLSS 1001	Introduction to Socio-Legal Studies	6	NB: Available to BAS students only		Semester 1
SLSS 1002	Law as Language, Culture and Performance	6	NB: Available to BAS students only		Semester 2
Linguistics					
LNGS 1001	Structure of Language	6	N LNGS 1004, LNGS 1005		Semester 1
LNGS 1002	Language and Social Context	6			Semester 2
LNGS 1005	Structure of English	6	N LNGS 1001 or LNGS 1004		Semester 1
LNGS 1801	Linguistics Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
LNGS 2601	Phonetics and Phonology	6	P LNGS 1001: Structure of Language or LNGS 1005: Structure of English or LNGS 1004 Languages of Australia N KRNS 2317 or KRNS 2318 or LNGS2001. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.		Semester 1
LNGS 2602	Syntax	6	P LNGS 1001 or LNGS 1005 or LNGS 1004. N LNGS 2002. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.		Semester 2
LNGS 2603	Functional Grammar and Discourse	6	P Two of ENGL1000, ENGL1050, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, MECO1001 N LNGS2003		Semester 1
LNGS 2604	Discourse Analysis	6	P Two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, ENGL 1050, MECO1001. Also one of LNGS2602, LNGS2603 N LNGS2004,		Semester 2
LNGS 2612	Language Variation and Change	6	P Two of LNGS 1001, LNGS 1002, LNGS 1003, LNGS 1004 and LNGS 1005 N LNGS2026, LNGS2006		Semester 1
LNGS 2613	Computer Applications in Linguistics	6	P Two of LNGS 1001, LNGS 1002, LNGS 1003, LNGS 1004, LNGS 1005. N LNGS2027, LNGS2007		Semester 2
LNGS 2617	Cross-Cultural Communication	6	P Credit average in 24 Senior credit points of Linguistics, or of a foreign language.		Semester 2
LNGS 3601	Semantics and Pragmatics	6	P One of LNGS2601, LNGS2602, LNGS2603, LNGS2604 [or LNGS2001, LNGS2002, LNGS2003, LNGS2004]. N LNGS3026, LNGS3006 NB: 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.		Semester 1
LNGS 3602	Modern Theories of Grammar	6	P LNGS2601 and LNGS2602 [or LNGS2001 and LNGS2002] N LNGS3024, LNGS3004		Semester 1
LNGS 3605	Structure and Use of a Language	6	P LNGS 2601 [or LNGS2001] and one of LNGS2602, LNGS2002, LNGS2003, LNGS2603 N LNGS3904		Semester 2
LNGS 3690	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 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.		Semester 1
LNGS 3692	Media Discourse	6	P Credit average in 18 Senior credit points which may be comprised of Linguistics units, Media and Communication 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 LNGS3912		Semester 1
LNGS 3694	Language and Identity	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, Thai, Anglo-Saxon, Old Norse). Other language units require department permission. N LNGS3907, LNGS3927		Semester 1
LNGS 3696	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, Thai, Anglo-Saxon, Old Norse). Other language units require department permission. N LNGS3929		Semester 2
LNGS 3699	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 NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.		Semester 1, Semester 2
LNGS 4011	Linguistics Honours A	12	P Credit average in 48 Senior Credits of Linguistics, including either LNGS3026 or LNGS3601, and 3 of LNGS2001, LNGS2002, LNGS2003, LNGS2004, LNGS2601, LNGS2602, LNGS2603, LNGS2604, NB: Department permission required for enrolment.		Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
LNGS 4012 Linguistics Honours B	12	CLNGS4011	Semester 1, Semester 2
LNGS 4013 Linguistics Honours C	12	C LNGS4012	Semester 1, Semester 2
LNGS 4014 Linguistics Honours D	12	CLNGS4013	Semester 1, Semester 2
Media and Communications			
MECO 1001 Australian Media Studies	6	NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 1003 Principles of Media Writing	6	NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1
MECO 2601 Radio Broadcasting	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO 2001 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1
MECO 2603 Media Relations	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO2003 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 2805 Media and Communications Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 2806 Media and Communications Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 2807 Media and Communications Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 2808 Media and Communications Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 3601 Video Production	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO 3001 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3602 Online Media	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO 3002 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3603 Media, Law and Ethics	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO3003 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1
MECO 3605 Media Globalisation	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO3005 NB: NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only	Semester 1
MECO 3606 Advanced Media Writing	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 N MECO 3006 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3609 Critical Practice in Media	6	P 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS 1005 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3671 Media and Communications Internship	6	P 30 senior credit points of MECO, including MECO 3603 (which may be taken in the same semester). Students may not enrol in MECO 3671 prior to the second semester of their 3rd year.(MECO3002 and MECO 3003 (4th Years)) C MECO3672 (4th Years) or MECO3602 andMECO3603 (3rd years) N MECO3701 and MECO3702 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1, Semester 2, Summer
MECO 3672 Internship Project	6	P 30 senior credit points of MECO, including MECO 3603 (which may be taken in the same semester). Students may not enrol in MECO 3671 prior to the second semester of their 3rd year. C MECO3671 (4th Years) or MECO3671 andMECO3602 andMECO3603 (3rd years) N MECO3701 and MECO3702 NB: Available to BA(Media and Commun) and BSc (Media & Cmmunications) students only.	Semester 1, Summer
MECO 4601 Honours Research Methods A	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
MECO 4602 Honours Research Methods B	6	C MECO4601 NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 4603 Honours Seminar A	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 4604 Honours Seminar B	6	C MECO4603 NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 4605 Honours Thesis A	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 4606 Honours Thesis B	6	C MECO4605 NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 4607 Honours Thesis C	6	C MECO4606 NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 4608 Honours Thesis D	6	C MECO4607 NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>			<i>Session</i>
Medieval Studies					
MDST 2601	Written Record of 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.		Semester 1
MDST 2607	Medieval Literary and Artistic Codes	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		Semester 2
MDST 2609	Crusade and Jihad	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. NB: This Unit of Study may be counted towards a Major in History.		Semester 2
MDST 4011	Medieval Studies Honours A	12	P A Major in Medieval Studies plus 12 additional credit points from units of study in List B, all with a credit average. Dept permission required NB: Department permission required for enrolment.		Semester 1, Semester 2
MDST 4012	Medieval Studies Honours B	12	CMDST4011		Semester 1, Semester 2
MDST 4013	Medieval Studies Honours C	12	CMDST4012		Semester 1, Semester 2
MDST 4014	Medieval Studies Honours D	12	CMDST4013		Semester 1, Semester 2
Modern Greek					
MGRK 1601	Junior Modern Greek 1	6	N MGRK 1101		Semester 1
MGRK 1602	Junior Modern Greek 2	6	P MGRK 1101 or MGRK 1601 or equivalent N MGRK 1102		Semester 2
MGRK 1621	Junior Modern Greek 3	6	P Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency as determined by the department, or HSC. N MGRK 1101; MGRK 1501; MGRK 1401		Semester 1
MGRK 1622	Junior Modern Greek 4	6	P MGRK 1621 or MGRL1401 or equivalent language proficiency as determined by the department. N MGRK 1101; MGRK 1102; MRGK 1402		Semester 2
MGRK 2601	Senior Modern Greek 1	6	P MGRK 1102. or MGRK 1602 or special permission by the department. N MGRK 1501 or MGRK 2001		Semester 1
MGRK 2602	Senior Modern Greek 2	6	P MGRK 2001 or MGRK 2601 or special permission by the department. N MGRK 1502 or MGRK 2002		Semester 2
MGRK 2603	Style and Expression	6	P MGRK1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. N MGRK 2203		Semester 1
MGRK 2604	Comparison of Greek and English	6	P MGRK 1402 or MGRK 2002 or MGRK 1622 or MGRK 2602 or special permission by the department. N MGRK 2204		Semester 2
MGRK 2605	Theory and Practice of Translation B	6	P MGRK 1202 or MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. N MGRK 3211		Semester 1
MGRK 2606	Varieties and Registers	6	P MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. N MGRK 3205, MGRK 3207		Semester 2
MGRK 2631	Cultural Identities	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 the department.		Semester 1
MGRK 2652	Politics & Politicians in Greece	6	P 12 Junior credit points in any subject N MGRK 2512		Semester 2
MGRK 2653	Sex, Drugs and Music in Modern Greece	6	P 12 Junior credit points in any subject. N MGRK 2523		Semester 1
MGRK 2675	New Testament Greek and its World A	6	P 12 Junior credit points in any subject. N MGRK 2525		Semester 1
MGRK 2676	New Testament Greek and its World B	6	P 12 Junior credit points in any subject. N MGRK 2526		Semester 2
MGRK 2682	Sports and Contemporary Culture	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 the department		Semester 2
MGRK 2691	Sociolinguistics in the Greek Diaspora	6	P Credit or above in MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or special permission by the department. N MGRK 2904 NB: Department permission required for enrolment.		Semester 1
MGRK 2811	Modern Greek Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
MGRK 2812	Modern Greek Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
MGRK 2813	Modern Greek Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
MGRK 2814	Modern Greek Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2
MGRK 2815	Modern Greek Exchange	6	NB: Department permission required for enrolment.		Semester 1, Semester 2

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
MGRK 3692	Theories of Literature	6	P Credit or above in MGRK 1402 or MGRK 1622 or MGRK 2002 or MGRK 2602 or Special Entry Eligibility form signed by the Chair of Department N MGRK 3901 NB: Department permission required for enrolment.	Semester 2
MGRK 4011	Modern Greek Honours A	12	PA major in Modern Greek plus 16 additional credit points which must include MGRK2904 and 3901. NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 4012	Modern Greek Honours B	12	CMGRK4011	Semester 1, Semester 2
MGRK 4013	Modern Greek Honours C	12	C MGRK4012	Semester 1, Semester 2
MGRK 4014	Modern Greek Honours D	12	C MGRK4013	Semester 1, Semester 2
Music				
MUSC 1501	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 Department of Music. N MUSC 1503, 1504 NB: The Department holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses and believe they have the equivalent aural and harmonic skills to attend Concepts of Music, please phone the department for details by the end of February.	Semester 2
MUSC 1503	Fundamentals of Music I	6	N MUSC 1501	Semester 1
MUSC 1504	Fundamentals of Music II	6	A Material covered in MUSC 1503. Students interested in taking this course who have not completed MUSC 1503 must see the lecturer beforehand to ascertain that they have the required knowledge. N MUSC 1501	Semester 2
MUSC 1506	Music in Western Culture	6	A The ability to follow a musical score while listening to the music and some prior knowledge of elemental music theory.	Semester 1
MUSC 1507	Sounds, Screens, Speakers: Music & Media	6		Semester 2
MUSC 2612	Arts Music Concert Performance 1	6	P 18 junior credit points in no more than two subject areas, AND audition (contact the department one week before semester begins) N MUSC 2012 NB: Department permission required for enrolment.	Semester 1
MUSC 2613	Arts Music Concert Performance 2	6	P MUSC 2612 N MUSC 2013	Semester 2
MUSC 2614	Composition Workshop 1	6	P 12 junior credits in music. N MUSC 2610	Semester 2
MUSC 2615	Advanced Concepts	6	PMUSC 1501 orMUSC 1504 N MUSC 2010	Semester 1
MUSC 2618	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. N MUSC 2018 NB: Department permission required for enrolment.	Semester 1
MUSC 2619	Arts Music Ensemble 2	6	PMUSC 2618. N MUSC 2019	Semester 2
MUSC 2622	Music in the Sixties	6	P 18 junior credits. N MUSC 2106	Semester 2
MUSC 2626	Australian Aboriginal Music	6	P 18 Junior credit points in no more than two subject areas. N MUSC 2026 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
MUSC 2631	Fieldwork, Ethnography and Transcription	6	P 12 junior music credit points. Students will normally have completed either MUSC 1501 orMUSC 1504. N MUSC 2903 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
MUSC 2633	Music Publishing	6	P 12 junior music credits N MUSC 2033	Semester 2
MUSC 2651	Australian and Asian Music 1	6	P 12 junior music credit points, one of which must be either MUSC 1501 or MUSC 1504. N MUSC 2501	Semester 1
MUSC 2653	Introduction to Digital Music Techniques	6	P 18 Junior credit points in no more than two subject areas. N MUSC 2053	Semester 2
MUSC 2654	Popular Music	6	P 18 junior credit points. N MUSC 2054 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
MUSC 2666	A Global Sound: African American Music	6	P 18 junior credit points. N SSCP 1002	Semester 2
MUSC 2670	Music Festivals and their Administration	6	P 18 junior credit points. N MUSC 2070	Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
MUSC 2671	The Songs & Symphonies of Gustav Mahler	6	P 18 junior credit points. N MUSC 2071 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 2680	The Sephardic Experience	6	A The ability to read music. P 48 junior credit points.	Semester 1
MUSC 2685	Music of Bach	6	P 12 junior music credit points.	Semester 2
MUSC 2690	Music and Gender	6	P 18 junior credit points.	Semester 1
MUSC 2692	Dissonance and Desire	6	P 12 junior credits in Music, including MUSC 1501 or MUSC 1504. N MUSC 2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 2810	Music Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 2812	Music Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
MUSC 2813	Music Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
MUSC 2817	Music Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
MUSC 2818	Music Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
MUSC 3010	Indigenous Australia: The Yolngu Way	6	P KOCC 2100 Indigenous Australia	Semester 1, Winter
MUSC 3011	Indigenous Australia: Garma Fieldwork	6	P KOCC 2100 Indigenous Australia and MUSC 3010 Indigenous Australia: The Yolngu Way	Semester 2a
MUSC 3604	Arts Music Concert Performance 3	6	P MUSC 2613. N MUSC 3104	Semester 1
MUSC 3605	Arts Music Concert Performance 4	6	P MUSC 3604. N MUSC 3105	Semester 2
MUSC 3606	Topics in Asian Music	6	P 18 junior credit points in no more than two subject areas.	Semester 2
MUSC 3608	Music Analysis	6	P MUSC 2692. N MUSC 3908 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 3609	Musicology	6	P MUSC 2631 N MUSC 3904 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 3611	Composition Workshop 2	6	P MUSC 2614 or MUSC 2610 N MUSC 2611	Semester 2
MUSC 4011	Music Honours A	12	P Credit results in MUSC 3609, and either MUSC 2631 or MUSC 3608, and a Music Major with credit average results in 36 senior credit points of MUSC units. NMUSC4021, MUSC4022, MUSC4023, MUSC4024, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044 NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 4012	Music Honours B	12	CMUSC4011 NMUSC4021, MUSC4022, MUSC4023, MUSC4023, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044	Semester 1, Semester 2
MUSC 4013	Music Honours C	12	CMUSC4012 NMUSC4021, MUSC4022, MUSC4023, MUSC4023, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044	Semester 1, Semester 2
MUSC 4014	Music Honours D	12	CMUSC4013 NMUSC4021, MUSC4022, MUSC4023, MUSC4023, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044	Semester 1, Semester 2
Pail (no major available)				
PALI 1001	Pali A	6		Semester 1
PALI 1002	PaliB	6	P PALI 1001	Semester 2
Performance Studies				
PRFM 1801	Performance Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 2601	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 PRFM 2001 Being There: Theories of Performance.	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
PRFM 2602 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 PRFM 2002 An Audience Prepares.	Semester 2
PRFM 2603 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 PRFM 3005 Flexible Performance and PRFM 3016 Playwright in the Theatre and PRFM3014 Translation for Performance.	Semester 1
PRFM 2604 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 PRFM 3012 Sociology of Theatre.	Semester 2
PRFM 3601 Anthropology of Performance	6	P PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units. N PRFM 3017 Anthropology of Performance and PRFM 3025 Anthropology of Performance. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PRFM 3602 Playing Around with Theatre History	6	P PRFM 2001 or PRFM 2601 Being There: Theories of Performance and PRFM 2002 or PRFM 2602 An Audience Prepares. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PRFM 3603 Playing Politics	6	P PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units. N PRFM 3015 Performance and Politics and PRFM 3026 Playing Politics.	Semester 1
PRFM 3604 Embodied Histories	6	P PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. NPRFM3021 Embodied Histories	Semester 1
PRFM 3605 Performance: Hybridity and Appropriation	6	P PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. N PRFM3023 Intercultural Performance and PRFM3028 Performance:Hybridity and Appropriation	Semester 2
PRFM 3606 Theories of Acting	6	P PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. N PRFM 3022 Theories of Acting.	Semester 2
PRFM 3609 Performing Australia	6	P PRFM 2001 and PRFM 2002 or 18 credit points in PRFM 2600 units, including PRFM 2601 and PRFM 2602. N SSCP1001 Performing Australia	Semester 1
PRFM 3961 Rehearsal Studies	6	P Credit results in PRFM 2001 and PRFM 2002 or 18 credit points with credit results in PRFM 2600 units including PRFM 2601 and PRFM 2602. C PRFM 3962 and sufficient units for a major in Performance Studies. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PRFM 3962 Rehearsal to Performance	6	P PRFM 3901 or PRFM3962 and credit results in PRFM 2001 and PRFM 2002 or 18 credit points with credit results in PRFM 2600 units, including PRFM 2601 and PRFM 2602. C PRFM 3691 and sufficient units for a major in Performance Studies. NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PRFM 4011 Performance Studies Honours A	12	P Credit results in PRFM 3901 and PRFM 3902, and credit average in a further 32 credit points of PRFM units. NB: Department permission required for enrolment.	Semester 2, Semester 1
PRFM 4012 Performance Studies Honours B	12	CPRFM4011	Semester 1, Semester 2
PRFM 4013 Performance Studies Honours C	12	C PRFM4012	Semester 1, Semester 2
PRFM 4014 Performance Studies Honours D	12	C PRFM4013	Semester 2, Semester 1
Philosophy			
PHIL 1010 Society, Knowledge and Reason	6	N PHIL 1001 and PHIL 1002	Semester 2
PHIL 1011 Reality, Ethics and Beauty	6	NPHIL1003, 1004, 1006, 1008	Semester 1
PHIL 1012 Introductory Logic	6		Semester 2
PHIL 1016 Mind and Morality HSC	6		51 LateInt, 52 Late Int, Summer
PHIL 1801 Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2605 Locke and Empiricism	6	P 12 Junior credit points in Philosophy N PHIL3005, PHIL 2005	Semester 2
PHIL 2606 Knowledge, Reason and Action	6	P 12 Junior credit points in Philosophy	Semester 2
PHIL 2607 Eighteenth Century French Philosophy	6	P 12 Junir credit points in Philosophy	Semester 1
PHIL 2609 Contemporary French Philosophy	6	P 12 Junior credit points in Philosophy N PHIL 2409	Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
PHIL 2611	Problems of Empiricism	6	P 12 Junior credit points in Philosophy. NPHIL2211, PHIL3211	Semester 1
PHIL 2612	History of Ethics	6	P 12 Junior credit points in Philosophy N PHIL 2512, 3512	Semester 1
PHIL 2613	Plato and Aristotle	6	P 12 Junior credit points in Philosophy N PHIL 3013, PHIL2013	Semester 2, Summer
PHIL 2615	Intermediate Logic	6	P 12 Junior credit points in Philosophy and PHIL 1012 or PHIL2203. N PHIL 3215 and 2215 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2617	Practical Ethics	6	P 12 junior credit points in Philosophy. NPHIL2517 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2618	Aesthetics and Art	6	P 12 Junior credit points in Philosophy. NPHIL2518 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2621	Truth, Meaning and Language	6	P 12 Junior credit points in Philosophy	Semester 1
PHIL 2622	Reality, Time & Possibility: Metaphysics	6	P 12 Junior credit points in Philosophy	Semester 1
PHIL 2623	Moral Psychology	6	P 12 Junior credit points in Philosophy. N PHIL 2513, 3513. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 2624	Meaning in History	6	P 12 junior credit points in Philosophy N PHIL2224	Semester 2
PHIL 2626	Philosophy and Psychoanalysis	6	P 12 Junior credit points in Philosophy. N PHIL2207, PHIL3207, PHIL2626 and PHIL3226.	Semester 1
PHIL 2627	Philosophy and Psychiatry	6	P 12 Junior credit points in Philosophy. N PHIL2227	Semester 2
PHIL 2628	Elementary Logic	6	P 12 junior credit points in Philosophy. NPHIL 1012, 3203, 2201, 3201 and 2203.	Semester 2
PHIL 2629	Descartes and Continental Philosophy	6	P 12 Junior credit points in Philosophy N PHIL 2004 and 3004 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 2633	Theories of Modernity 1	6	P 12 junior credit points in Philosophy. NPHIL 1007 and 2533 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2634	Democratic Theory	6	P 12 junior credit points in Philosophy NPHIL2514	Semester 1
PHIL 2635	Contemporary Political Philosophy	6	P 12 Junior credit points in Philosophy. N PHIL3535 and PHIL2535 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2638	Husserl's Phenomenology	6	P 12 Junior credit points in Philosophy. NPHIL2238	Semester 1
PHIL 2639	Heidegger's Phenomenology	6	P 12 Junior credit points in Philosophy N PHIL2239	Semester 2
PHIL 2640	Sustainability, System and Society	6	P 12 Junior credit points in Philosophy N PHIL2240 NB: NB: This course is taught in collaboration with the Department of Design, Faculty of Design, Building and Architecture, UTS.	Semester 2
PHIL 2641	Classic German Philosophy	6	P 12 credit points in Philosophy NPHIL3011	Semester 1
PHIL 2642	Critical Thinking	6	P 12 Junior credit points in any units within the University	Semester 2
PHIL 2643	Philosophy of Mind	6	P 12 Junior credit points in Philosophy N PHIL 2213, 3213 and 2205 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1, Summer
PHIL 2804	Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2805	Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2806	Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
PHIL 2810	Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2811	Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 3612	Origins of Analytic Philosophy	6	P 16 Senior credit points in Philosophy NPHIL3012 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 3615	Pragmatism	6	P 12 credit points in Philosophy NPHIL3015	Semester 2
PHIL 3618	Pre-Honours Seminar	6	P 24 Senior credit points in Philosophy N PHIL2204, PHIL3204 and PHIL3218	Semester 1
PHIL 4011	Philosophy Honours A	12	P 48 points of Philosophy at Senior level, with a credit average or better, and including 8 points from each of the three programs (History of Philosophy; Epistemology, Metaphysics & Logic; Moral & Political Philosophy). Intending Honours students are strongly encouraged to take the Pre-honours Seminar (PHIL3218), and to discuss their course 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. NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 4012	Philosophy Honours B	12	CPHIL4011	Semester 2, Semester 1
PHIL 4013	Philosophy Honours C	12	C PHIL4012	Semester 2, Semester 1
PHIL 4014	Philosophy Honours D	12	C PHIL4013	Semester 2, Semester 1
Studies in Religion				
RLST 1001	Paths to Enlightenment	6		Semester 1, Winter
RLST 1002	The History of God	6		Semester 2, Summer
RLST 1801	Religious Studies Exchange	6	N Department permission required for enrolment. NB: Department permission required for enrolment.	Semester 1, Semester 2
SUFI 2601	Sufism: The Mystical Tradition of Islam	6	A 12 Junior credit points in Religion Studies or Arab and Islamic Studies, or their equivalent to be assessed by the Department. NB: Department permission required for enrolment.	Semester 1
RLST 2605	Christianity and the Medieval World	6	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department	Semester 1
RLST 2609	Theravada Buddhism	6	A 12 Junior credit points of Religion studies. N RLST 2009 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
RLST 2610	Mahayana Buddhism	6	A 12 Junior credit points in Religion, or their equivalent as assessed by the department.	Semester 2
RLST 2611	Monotheism: Judaism and Islam	6	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department NRLST2011 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
RLST 2612	Dualism: Zoroaster, Gnosis & Manichaeism	6	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department NRLST2012	Semester 1
RLST 2620	Contemporary Religion and Politics	6	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department N RLST2020	Semester 2
RLST 2626	Witchcraft, Paganism and the New Age	6	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department N RLST2026	Semester 1, Summer
RLST 2628	Religion and Film	6	A 12 junior credit points of Religion studies, or their equivalent to be assessed by the Department. N RLST2028	Semester 1
RLST 2630	Taoism: Potency and Immortality	6	A 12 Junior credit points in Religion, or equivalent as assessed by the Department. N RLST2022	Semester 2
RLST 2804	Religious Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2805	Religious Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2806	Religious Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2809	Religious Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2810	Religious Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 4011	Religious Studies Honours A	12	P Credit average in 32 senior credit points of Studies in Religion. NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
RLST 4012	Religious Studies Honours B	12	CRLST4011	Semester 1, Semester 2
RLST 4013	Religious Studies Honours C	12	CRLST4012	Semester 1, Semester 2
RLST 4014	Religious Studies Honours D	12	CRLST4013	Semester 1, Semester 2
Sanskrit				
SANS 1001	Sanskrit Introductory 1	6		Semester 1
SANS 1002	Sanskrit Introductory 2	6	PSANS 1001	Semester 2
SANS 2601	Sanskrit Intermediate 1	6	P SANS 1002 or equivalent N SANS2001	Semester 1
SANS 2602	Sanskrit Intermediate 2	6	P SANS2001 or SANS2601 or equivalent N SANS2002	Semester 2
SANS 2612	Sanskrit Research Preparation 1	6	P SANS2001 or SANS2601 or equivalent NSANS2901.SANS2902	Semester 2
SANS 3601	Sanskrit Advanced 1	6	P SANS2002 or SANS2602 or equivalent N SANS3001	Semester 1
SANS 3602	Sanskrit Advanced 2	6	P SANS3001 or SANS3601 or equivalent N SANS3002	Semester 2
SANS 4001	Sanskrit IV Honours A	12	P Credit results in SANS 2901, SANS 2902, SANS 3901, SANS 3902. NB: Department permission required for enrolment.	Semester 1, Semester 2
SANS 4002	Sanskrit IV Honours B	12	C SANS4001	Semester 1, Semester 2
SANS 4003	Sanskrit IV Honours C	12	C SANS4002	Semester 1, Semester 2
SANS 4004	Sanskrit IV Honours D	12	C SANS4003	Semester 1, Semester 2
Social Policy				
SCPL 2601	Australian Social Policy	6	P SCLG 1001 & SCLG 1002 N SCPL3001	Semester 1
SCPL 2602	Contesting Social Policies	6	P SCLG 1001 & SCLG 1002 N SCPL3002	Semester 2
Social Sciences				
SSCI 1001	Social Political and Economic Thought	6	NB: Department permission required for enrolment. Bachelor of Social Sciences only	Semester 1
SSCI 1003	Exploring the Social Sciences	6	NB: Bachelor of Social Sciences only	Semester 1
SSCI 2601	Social, Political and Economic Thought 1	6	N SSCI2001 NB: Department permission required for enrolment. N.B. BA (Social Sciences) only	Semester 1
SSCI 2602	Social, Political and Economic Thought 2	6	P (SSCI1003 and SSCI2001) or SSCI1001 or students who enrolled in SSCI2001 prior to 2005 N SSCI2002 NB: Bachelor of Social Sciences only	Semester 2
SSCI 3601	Social Sciences Internship	12	P SSCI1003 or SSCI2001, SSCI2002, STAT1021 NSSCI3001 NB: Bachelor of Social Sciences only	Semester 1, Semester 2
SSCI 3602	Internship Research Paper	6	P SSCI1003 or SSCI2001, SSCI2002 C SSCI3001 N SSCI3002 NB: Bachelor of Social Sciences only	Semester 1, Semester 2
Sociology				
SCLG 1001	Introduction to Sociology 1	6		Semester 1
SCLG 1002	Introduction to Sociology 2	6		Semester 2
SCLG 1801	Sociology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2601	Sociological Theory	6	P SCLG 1001 and SCLG 1002 N SCLG2001 and SCLG2520	Semester 1
SCLG 2602	Social Inquiry: Research Methods	6	P SCLG 1001 and SCLG 1002 or SCWK2003 N SCLG2002 and SCLG2521	Semester 2
SCLG 2603	Sociology of Health and Illness	6	P SCLG 1001 & SCLG 1002 N SCLG2526	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
SCLG 2604 Social Inequality in Australia	6		P SCLG 1001 and SCLG 1002 N SCLG2010 and SCLG2529 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
SCLG 2605 Social Justice Law and Society	6		P SCLG 1001 and SCLG 1002. N SCLG2017 and SCLG2536 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
SCLG 2606 Media in Contemporary Society	6		A Access to a computer with a modem and knowing how to log on to the WWW are the basic computer skills requirements for this unit. P SCLG 1001 and SCLG 1002 N SCLG2018 and SCLG2537				Semester 1
SCLG 2607 Social Movements and Policy Making	6		P SCLG 1001 and SCLG 1002 N SCLG2570				Semester 1
SCLG 2608 Social Construction of Difference	6		P SCLG 1001 and SCLG 1002 N SCLG2004 and SCLG2523				Semester 1
SCLG 2609 Contemporary Cultural Issues	6		P SCLG 1001 and SCLG 1002. N SCLG2501				Semester 2
SCLG 2610 Science, Technology and Social Change	6		P SCLG 1001 and SCLG 1002. N SCLG2504				Semester 2
SCLG 2611 Comparative Sociology of Welfare States	6		P SCLG 1001 and SCLG 1002 N SCLG2509 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
SCLG 2612 Self and Society	6		P SCLG 1001 and SCLG 1002 NSCLG2510				Semester 2
SCLG 2613 Sociology of Childhood and Youth	6		P SCLG 1001 and SCLG 1002. N SCLG2522				Semester 2
SCLG 2614 Madness, Difference and Normality	6		P SCLG 1001 and SCLG 1002 N SCLG2006 and SCLG2525				Semester 2
SCLG 2615 Law and Social Theory	6		P SCLG 1001 and SCLG 1002 and (SCLG2601 or SCLG2001) N SCLG2535 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
SCLG 2616 Global Transformations	6		P SCLG 1001 and SCLG 1002 N SCLG2560 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
SCLG 2618 Violence, Imaginaries and Symbolic Power	6		P SCLG 1001 and SCLG 1002 N SCLG2566 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 1
SCLG 2634 Crime, Punishment and Society	6		P Two of: SCLG1001, SCLG1002, SLSS1001, SLSS1002 and LAWS 1100. N SCLG2566				Semester 2
SCLG 2805 Sociology Exchange	6		P SCLG 1001 and SCLG 1002 NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 2806 Sociology Exchange	6		P SCLG 1001 and SCLG 1002 NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 2809 Sociology Exchange	6		P SCLG 1001 and SCLG 1002 NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 2810 Sociology Exchange	6		P SCLG 1001 and SCLG 1002 NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 2811 Sociology Exchange	6		P SCLG 1001 and SCLG 1002 NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 2812 Sociology Exchange	6		P SCLG 1001 and SCLG 1002 NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 3601 Contemporary Sociological Theory	6		P SCLG 1001 and SCLG 1002. N SCLG3002 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				Semester 2
SCLG 3602 Empirical Sociological Methods	6		P SCLG 1001 and SCLG 1002. N SCLG3003				Semester 2
SCLG 4011 Sociology Honours A	12		P Credit average in 32 credit points of Senior level Sociology . NB: Department permission required for enrolment.				Semester 1, Semester 2
SCLG 4012 Sociology Honours B	12		CSCLG4011				Semester 1, Semester 2
SCLG 4013 Sociology Honours C	12		C SCLG4012				Semester 1, Semester 2
SCLG 4014 Sociology Honours D	12		C SCLG4013				Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>						<i>Session</i>
Spanish								
SPAN 1601	Introductory Spanish 1	6	N Not to be taken by students with prior knowledge of Spanish. NB: Students who have already studied Spanish at HSC level, or who have equivalent knowledge may not take SPAN 1601. Students should contact the Department which will determine the appropriate level of enrolment.					Semester 1, Summer
SPAN 1602	Introductory Spanish 2	6	N	SPAN 1002			Semester 2	
SPAN 1801	Spanish Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
SPAN 1802	Spanish Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
SPAN 2601	Intermediate Spanish 1	6	P	SPAN 1002	or	SPAN 1602	Semester 1	
			N SPAN2001 NB: 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.					
SPAN 2602	Intermediate Spanish 2	6	P	SPAN 2601.			Semester 2	
			N SPAN2002					
SPAN 2621	Spanish Culture 1	6	P SPAN 1002 or SPAN 1602 as determined by the Department.					Semester 1
SPAN 2622	Latin American Culture 1	6	P SPAN 1002 or SPAN 1602 or as determined by the Department.					Semester 2
SPAN 3601	Advanced Spanish 1	6	P SPAN2002 or SPAN2602 NB: Department permission required for enrolment.					Semester 1
SPAN 3602	Advanced Spanish 2	6	P SPAN 3601 or departmental permission required. NB: Department permission required for enrolment.					Semester 2
SPAN 3811	Spanish Studies Exchange	6	NB: Department permission required for enrolment.					Semester 2, Semester 1
SPAN 3812	Spanish Studies Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
SPAN 3813	Spanish Studies Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
SPAN 3814	Spanish Studies Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
SPAN 3815	Spanish Studies Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
SPAN 3816	Spanish Studies Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
Thai Studies (May not be offered in .2006)								
THAI 1105	Thai 1A	6	N THAU 101, THAU 103					Semester 1
THAI 1106	Thai 1B	6	P THAI 1105 or THAI 1101 plus THAI 1103 or department permission N THAU 102, THAU 104					Semester 2
THAI 1603	Thai Script A	6	A Proficiency in spoken Thai equivalent to that attained in THAI 1101 N THAU 105, THAU 103					Semester 1
THAI 1604	Thai Script B	6	A Proficiency in spoken Thai equivalent to that attained in THAI 1102, plus limited knowledge of written Thai. P THAI 1103 or THAI 1105 or THAI 1603 or department permission N THAU 106, THAU 104					Semester 2
THAI 2601	Thai 2A	6	P THAI 1104 or THAI 1106 or THAI 1604 or department permission. NTHAI2101					Semester 1
THAI 2602	Thai 2B	6	P THAI 2101 or THAI 2601 or departmental permission. NTHAI2102					Semester 2
THAI 2650	Thai In-Country Study A	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
THAI 2651	Thai In-Country Study B	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
THAI 2652	Thai In-Country Study C	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
THAI 2653	Thai In-Country Study D	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
THAI 3601	Thai 3A	6	P THAI 2102 or THAI 2602 or department permission. NTHAI3101					Semester 1
THAI 3602	Thai 3B	6	P THAI 3101 or THAI 3601 or department permission. NTHAI3102					Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Yiddish (no guarantee of continued availability)							
YDDH 1101	Yiddish 1	6					Semester 1
YDDH 1102	Yiddish 2	6	P YDDH 1101.				Semester 2
YDDH 2603	Yiddish 3	6	P YDDH 1102. NYDDH2103;YDDH2104.				Semester 1
YDDH 2604	Yiddish 4	6	PYDDH2103 orYDDH2603. N YDDH 2104.				Semester 2
YDDH 3605	Yiddish 5	6	P YDDH2104 orYDDH2604. NYDDH 3105; YDDH 3106.				Semester 1
	Yiddish 6	6	PYDDH3605 orYDDH 3105. NYDDH 3106.				Semester 2

Table B - Arts units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Biology							
BIOL 1001 Concepts in Biology	6	A No previous knowledge required. Students are encouraged to take the Biology Bridging Course. Students who have completed HSC Biology are advised to enrol in BIOL1101 Ecosystems to Genes rather than BIOL1001.	N BIOL (1101 or 1901)	NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.			Semester 1, Summer
BIOL 1002 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 before lectures commence.	N BIOL1902				Semester 2
BIOL 1003 Human Biology	6	A HSC 2-unit Biology	N BIOL1903 or EDUH1016				Semester 2, Summer
BIOL 1101 Biology - Ecosystems to Genes	6	P HSC 2-unit Biology or equivalent.	N BIOL (1001 or 1901)	NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.			Semester 1
BIOL 1901 Biology - Ecosystems to Genes (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 BIOL (1001 or 1101)	NB: Department permission required for enrolment. It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.			Semester 1
BIOL 1902 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 BIOL (1002 or 1904 or 1905)	NB: Department permission required for enrolment.			Semester 2
BIOL 1903 Human Biology (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 BIOL (1003 or 1904 or 1905) or EDUH1016	NB: Department permission required for enrolment.			Semester 2
BIOL 2011 Invertebrate Zoology	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.	P BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics.	N BIOL (2001 or 2101 or 2901 or 2911)			Semester 1
BIOL 2012 Vertebrates and their Origins	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.	P BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics.	N BIOL (2002 or 2102 or 2912 or 2902)			Semester 2
BIOL 2016 Cell Biology	6	P 12 credit points of Junior Biology or EDUH1016 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics.	N BIOL (2006 or 2106 or 2906 or 2916)	NB: The completion of 6 credit points of MBLG units of study is highly recommended.			Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
BIOL 2017	Entomology	6	A BIOL (2001 or 2901 or 2011 or 2911) P 12 credit points of Junior Biology N BIOL2007 NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 2
BIOL 2911	Invertebrate Zoology (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 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. N BIOL (2001 or 2101 or 2011 or 2901). NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 1
BIOL 2912	Vertebrates and their Origins (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 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. N BIOL (2002 or 2902 or 2102 or 2012). NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 2
BIOL 2916	Cell Biology (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) and 12 cp of Junior Chemistry. N BIOL (2006 or 2106 or 2906 or 2016). NB: The completion of 6 credit points of MBLG units of study is highly recommended. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course.	Semester 1
BIOL 3006	Ecological Methods	6	A BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). P 12 credit points of intermediate level Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. N BIOL (3906 or 3023 or 3923), MARS 3102.	Semester 1
BIOL 3007	Ecology	6	A Although not prerequisites, knowledge obtained from Ecological Methods (BIOL 3006), and Marine Field Ecology (BIOL 3008) and/or Terrestrial Field Ecology (BIOL 3009), or the associated advanced units (BIOL 3906, BIOL 3908 and/or BIOL 3909), is strongly recommended. P 12 credit points of Intermediate Biology; or ENVI2111 or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. NBIOL (3907, 3024, 3924, 3040, 3940, 3041, 3941, 3042, 3942), MARS 3102.	Semester 2
BIOL 3008	Marine Field Ecology	6	A Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly advised. P 12 credit points of Intermediate Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. N BIOL (3908, 3040, 3940, 3024, 3924), MARS 3102. NB: Dates: 5 July 2006 - 12 July 2006	S2 Intensive
BIOL 3009	Terrestrial Field Ecology	6	A Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly recommended. P 12 credit points of intermediate level Biology. N BIOL (3909, 3041, 3941, 3042, 3942, 3024, 3924). NB: Dates: Sunday 16 July to Friday 21 July 2006	S2 Intensive
BIOL 3010	Tropical Wildlife Biology and Management	6	A None, although Vertebrates and their Origins would be useful. P 12 credit points of intermediate level Biology. NBIOL3910 NB: Dates: 20 February - 24th February 2006 Northern Territory followed by tutorials and practicals at the University of Sydney 27 February - 2 March 2006.	SI Intensive
BIOL 3011	Ecophysiology	6	A BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903). P 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. NBIOL3911. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1
BIOL 3012	Animal Physiology	6	P 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2016 or 2006 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). N May not be counted with BIOL 3912. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1
BIOL 3013	Marine Biology	6	A MARS2006 P 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. NBIOL3913. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1
BIOL 3017	Fungal Biology	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, or their equivalent. NBIOL3917 NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1a
BIOL 3025	Evolutionary Genetics & Animal Behaviour	6	P 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. NBIOL3925, BIOL3928	Semester 2
BIOL 3026	Developmental Genetics	6	P 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. NBIOL3926, BIOL3929	Semester 2
BIOL 3027	Bioinformatics and Genomics	6	P 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. NBIOL3927 NB: This unit of study is recommended for third year students enrolled in the BSc (Bioinformatics) degree.	Semester 1

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
BIOL 3906	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 MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006.				Semester 1
BIOL 3907	Ecology (Advanced)	6	A Although not prerequisites, knowledge obtained from Ecological Methods (BIOL 3006), and Marine Field Ecology (BIOL 3008) and/or Terrestrial Field Ecology (BIOL 3009), or the associated advanced units (BIOL 3906, BIOL 3908 and/or BIOL 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 ENVI 2111 or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006.				Semester 2
BIOL 3908	Marine Field Ecology (Advanced)	6	A Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly advised	P Distinction average in 12 credit points of Intermediate Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006.				S2 Intensive
BIOL 3909	Terrestrial Field Ecology (Advanced)	6	A Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly recommended.	P Distinction average in 12 credit points of intermediate level Biology.				S2 Intensive
BIOL 3910	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 level Biology.				SI Intensive
BIOL 3911	Ecophysiology (Advanced)	6	A BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903)	P Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006.				Semester 1
BIOL 3912	Animal Physiology (Advanced)	6	P Distinction average in 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2006 or 2016 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). These requirements may be varied and students with lower averages should consult the Unit Executive Officer.					Semester 1
BIOL 3913	Marine Biology (Advanced)	6	A MARS2006	P Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006.				Semester 1
BIOL 3917	Fungal Biology (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, or their equivalent.					Semester 1
BIOL 3925	Evolutionary Gen. & Animal Behaviour Adv	6	P Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802.					Semester 2
BIOL 3926	Developmental Genetics (Advanced)	6	P Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED 2502 or BMED 2802.					Semester 2
BIOL 3927	Bioinformatics and Genomics (Advanced)	6	P Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED 2502 or BMED 2802.					Semester 1
MBLG 1001	Molecular Biology and Genetics (Intro)	6	A 6 credit points of Junior Biology and 6 cp of Junior Chemistry					Semester 2
MBLG 2071	Molecular Biology and Genetics A	6	P MBLG 1001 and 12 CP of Junior Chemistry.					Semester 1
MBLG 2072	Molecular Biology and Genetics B	6	A One of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901	P BIOL (1001 or 1101 or 1901) and MBLG 1001 and 12 credit points of Junior Chemistry				Semester 2
MBLG 2971	Molecular Biology and Genetics A (Adv)	6	P Distinction in MBLG 1001					Semester 1

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
MBLG 2972 Molecular Biology and Genetics B (Adv)	6	P Distinction in one of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 N MBLG (2072, 2102, 2002, 2902)					Semester 2
Chemistry							
CHEM 1001 Fundamentals of Chemistry IA	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 CHEM 1101 or 1901 or 1903 or 1909					Semester 1
CHEM 1002 Fundamentals of Chemistry IB	6	P CHEM (1001 or 1101) or equivalent N CHEM (1102 or 1902 or 1904 or 1908)					Semester 2
CHEM 1101 Chemistry IA	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1001 or 1901 or 1903 or 1909)					Semester 2, Semester 1, Summer
CHEM 1102 Chemistry IB	6	P CHEM (1101 or 1901) or a Distinction in CHEM 1001 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1002 or 1902 or 1904 or 1908)					Semester 1, Semester 2, Summer
CHEM 1901 Chemistry IA (Advanced)	6	P UAI of at least 96.4 and HSC Chemistry result >80, 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 CHEM (1001 or 1101 or 1903 or 1909) NB: Department permission required for enrolment.					Semester 1
CHEM 1902 Chemistry IB (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 CHEM (1002 or 1102 or 1904 or 1908) NB: Department permission required for enrolment.					Semester 2
CHEM 2401 Molecular Reactivity and Spectroscopy	6	P CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics N CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2502 or 2901 or 2903 or 2911 or 2915)					Semester 1
CHEM 2402 Chemical Structure and Stability	6	P CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics N CHEM (2202 or 2302 or 2902 or 2912 or 2916)					Semester 2
CHEM 2403 Chemistry of Biological Molecules	6	P CHEM (1102 or 1902 or 1904 or 1909); 6 credit points of Junior Mathematics N CHEM (2001 or 2901 or 2311 or 2312 or 2903 or 2913) NB: To enrol in Senior Chemistry in 2007 it will be a requirement that students complete 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.					Semester 2
CHEM 2404 Forensic and Environmental Chemistry	6	P CHEM 1102 or 1902 or 1904 or 1909; 6 credit points of Junior Mathematics N CHEM3107 or CHEM3197 NB: To enrol in Senior Chemistry in 2007 it will be a requirement that students complete 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.					Semester 1
CHEM 2911 Molecular Reactivity & Spectroscopy Adv	6	P A WAM of 65 or better and a Credit or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2401 or 2502 or 2901 or 2903 or 2915)					Semester 1
CHEM 2912 Chemical Structure and Stability (Adv)	6	P A WAM of 65 or better and a Credit or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM (2202 or 2302 or 2402 or 2902 or 2916)					Semester 2
CHEM 2915 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) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics N CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2401 or 2502 or 2901 or 2903 or 2911) NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.					Semester 1
CHEM 2916 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) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM (2202 or 2302 or 2402 or 2902 or 2912) NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.					Semester 2
CHEM 3110 Biomolecules: Properties and Reactions	6	P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3111 Organic Structure and Reactivity	6	P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3112 Materials Chemistry	6	A CHEM 2401 and CHEM 2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3113 Catalysis and Sustainable Processes	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3114 Metal Complexes: Medicine and Materials	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2
CHEM 3115 Synthetic Medicinal Chemistry	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2
CHEM 3116 Membranes, Self Assembly and Surfaces	6	A CHEM2401 and CHEM2402. P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
CHEM 3117	Molecular Spectroscopy & Quantum Theory	6	A CHEM2401 and CHEM2402.	P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).				Semester 2
CHEM 3910	Biomolecules: Properties & Reactions Adv	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3911	Organic Structure and Reactivity (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3912	Materials Chemistry (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3913	Catalysis and Sustainable Process (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 1
CHEM 3914	Metal Complexes: Medic. & Mater. (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2
CHEM 3915	Synthetic Medicinal Chemistry (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2
CHEM 3916	Membranes, Self Assembly & Surfaces (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2
CHEM 3917	Mol. Spectroscopy & Quantum Theory (Adv)	6	A CHEM2401 and CHEM2402. P WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)).					Semester 2
Computer Science								
COMP 2160	Data Structures	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) N COMP(2111 or 2811 or 2002 or 2902 or 2860)					Semester 1
COMP 2860	Data Structures (Advanced)	6	P [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. N COMP(2111 or 2811 or 2002 or 2902 or 2160)					Semester 1
COMP 3310	Theory of Computation	6	P COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). N COMP (2003 or 2903 or 3610)					Semester 2
COMP 3610	Theory of Computation (Advanced)	6	P COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902), and Distinction in a COMP, SOFT, or MATH unit at 2000-level or above. N COMP (2003 or 2903 or 3310)					Semester 2
INFO 1003	Foundations of Information Technology	6	A Basic computer operations N INFO1000, INFS1000, ISYS1003, INFO1903.					Semester 1, Semester 2
INFO 1903	Foundations of Information Tech (Adv)	6	A Basic computer operations P UAI at least that for acceptance into BSc(Adv) degree program. N INFO1003, ISYS1003, INFO1000, INFS1000. NB: Department permission required for enrolment.					Semester 1
INFO 2110	Systems Analysis and Modelling	6	A Simple data modelling and simple SQL knowledge covered at ISYS1003 or INFO 1000 level P (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study of DECO2011. N INFO (2000 or 2810 or 2900)					Semester 1, Summer
INFO 2120	Database Systems 1	6	P INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC) or DECO2011 N INFO (2005 or 2820 or 2905).					Semester 2
INFO 2810	Systems Analysis and Modelling (Adv)	6	A Simple data modelling and simple SQL knowledge covered at ISYS1003 level P (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC units of study) or DECO2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. N INFO (2000 or 2110 or 2900)					Semester 1
INFO 2820	Database Systems 1 (Advanced)	6	A Basics of data modelling, experience working with information technology tools P INFO(1003 or 1903 or 1000) or ISYS 1003 or INFS 1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC units of study or DEC2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. N INFO (2005 or 2120 or 2905)					Semester 2
NETS 2150	Fundamentals of Networking	6	A Basic computer organization P SOFT(1002 or 1902) or COMP(1001 or 1901) or DECO2011 N NETS (2009 or 2909 or 2850), ELEC (3506 or 3504)					Semester 1
NETS 2850	Fundamentals of Networking (Advanced)	6	A Basic computer organization. P SOFT(1002 or 1902) or COMP(1001 or 1901) or DECO2011 and Distinction in one NETS or SOFT unit. N May not be counted with NETS (2009 or 2909 or 2150) or ELEC (3504 or 3506).					Semester 1

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
SOFT 1001	Software Development 1	6	A HSC Mathematics Extension 1 N May not be counted with SOFT 1901 or COMP (1001 or 1901)	Semester 1, Semester 2
SOFT 1002	Software Development 2	6	P SOFT (1001 or 1901) or COMP (1001 or 1901) N May not be counted with SOFT 1902 or COMP (1002 or 1902) or DECO2011 NB: Students with Credit or above in INFO 1903 are encouraged to request special permission to enter this unit.	Semester 1, Semester 2, Summer
SOFT 1901	Software Development 1 (Adv)	6	A HSC Mathematics Extension 1 Q UAI at least that for acceptance into BSc(Adv) degree program. N May not be counted with SOFT 1001 or COMP (1001 or 1901) NB: Department permission required for enrolment. Entry requires departmental permission, except for students in BSc(Adv), BCST(Adv) or BIT degrees	Semester 1, Semester 2
SOFT 1902	Software Development 2 (Adv)	6	P SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one of these. N May not be counted with SOFT 1002 or COMP (1002 or 1902) or DECO2011 NB: Students with Credit or above in INFO 1903 are encouraged to request special permission to enter this unit.	Semester 1, Semester 2
SOFT 2130	Software Construction 1	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) N COMP (2004 or 2904) or SOFT (2904 or 2004 or 2830). NB: Students with Distinction or above in INFO 1903 are encouraged to request special permission to enter this unit.	Summer, Semester 2
SOFT 2830	Software Construction 1 (Adv)	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or in any SOFT unit at 2000-level or above. N COMP (2004 or 2904) or SOFT (2004 or 2904 or 2130). NB: Students with Credit or above in INFO 1903 are encouraged to request special permission to enter this unit.	Semester 2
MULT 3306	Multimedia Computing and Processing	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). N May not be counted with MULT(3019 or 3919) or MULT(3004 or 3904) or MULT3606 or COMP(3004 or 3904).	Semester 1
MULT 3307	Interactive Multimedia Systems	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). N May not be counted with SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3607.	Semester 2
MULT 3606	Multimedia Computing & Processing (Adv)	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. N MULT(3019 or 3919 or 3004 or 3904 or 3306) or COMP(3004 or 3904)	Semester 1
MULT 3607	Interactive Multimedia Systems (Adv)	6	P (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a MULT or SOFT or INFO or COMP unit at 2000-level or above. N May not be counted with SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3307.	Semester 2
Economics				
ECMT 1010	Business and Economic Statistics A	6	N ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021	Semester 1, Semester 2
ECMT 1020	Business and Economic Statistics B	6	CECMT1010 N ECMT 1021, ECMT 1022 and ECMT 1023 NB: 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.	Semester 2
ECON 1001	Introductory Microeconomics	6	A Mathematics	Semester 1, Summer
ECON 1002	Introductory Macroeconomics	6	A Mathematics	Semester 2, Summer
ECOS 1551	Economics Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 2001	Intermediate Microeconomics	8	P ECON 1001 CECMT1010 or IOIX NECON2901 NB: Certain combinations of Maths/Stats may substitute for Econometrics — consult the Chair of the Discipline of Economics.	S1 Intensive, Summer
ECOS 2001	Intermediate Microeconomics	6	P ECON 1001 CECMT1010 N ECON2001, ECOS2901 (or ECON2901) NB: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.	Semester 1, Semester 2
ECON 2002	Intermediate Macroeconomics	8	P ECON 1002. C ECMT 1020 or 102X N ECON2902 NB: Certain combinations of Maths/Stats may substitute for Econometrics — consult the Chair of the Discipline of Economics.	S1 Intensive, Summer
ECOS 2002	Intermediate Macroeconomics	6	P ECON 1002. C ECMT 1020 N ECON2002, ECOS2902 (or ECON2902) NB: Certain combinations of Maths/Stats may substitute for Econometrics — consult the Chair of the Discipline of Economics.	Semester 1, Semester 2

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ECON 2101	Economics Exchange	8	P ECON1001 and ECON 1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 2102	Economics Exchange	8	P ECON1001 and ECON 1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 2201	Economics of Competition and Strategy	6	P ECON1001 NECON2201,ECOS3005	Semester 2
ECOS 2306	Managerial Firms: Evolution & Attributes	6	P ECON1001 N ECHS2306 and ECOS3003 (or ECON3003)	Semester 1
ECOS 2551	Economics Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 2552	Economics Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 2901	Intermediate Microeconomics Honours	6 P	ECON1001 and ECON 1002 with a Credit average or better in the two units combined C ECOS2903 and ECMT1010 N ECON2901, ECOS2001 (or ECON2001) NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.	Semester 1
ECOS 2902	Intermediate Macroeconomics Honours	6	PECOS2901 C ECMT 1020 N ECON2902, ECOS2002 (or ECON2002) NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.	Semester 2
ECOS 2903	Mathematical Economics A	6	CECOS2901 N ECON2903 NB: Classes start in Week 3	Semester 1
ECOS 2904	Mathematical Economics B	6	P ECOS2903 C ECOS2902 N ECON2904 NB: Classes start in Week 3	Semester 2
ECOS 3001	Capital and Growth	6	P One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002) NECON3001	Semester 1
ECOS 3002	Development Economics	6	P One of ECOS2001 (or ECON2001), ECOS2002 (or ECON2002), ECOS2901 (or ECON2901), ECOS2902 (or ECON2902) N ECON3002	Semester 2
ECOS 3003	Hierarchies, Incentives & Firm Structure	6	P Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) N ECON3003	Semester 1
ECOS 3004	History of Economic Thought	6	P one 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 1
ECOS 3005	Industrial Organisation	6	P One of ECOS2001 (or ECON2001), or ECOS2901 (or ECON2901) NECON3005, ECOS2201	Semester 2
ECOS 3006	International Trade	6	P Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) N ECON3006	Semester 1
ECON 3006	International Trade	8	P One of ECON2001, ECON2901	S1 Intensive, Summer
ECOS 3007	International Macroeconomics	6	P One of ECOS2002 (or ECON2002) or ECOS2902 (or ECON2902) N ECON3007	Semester 2
ECOS 3008	Labour Economics	6	P One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002).. N ECON3008	Semester 1
ECOS 3009	Markets, Regulation & Government Policy	6	P One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002). N ECON3009	Semester 2
ECOS 3010	Monetary Economics	6	P one of ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) or ECOS2002 (or ECON2002) or ECOS2902 (or ECON2902) NECON3010	Semester 1
ECOS 3011	Public Finance	6	P Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) NECON3011	Semester 2
ECOS 3012	Strategic Behaviour	6	P Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) NECON3012	Semester 2
ECOS 3020	Special Topic in Economics	6	P ECOS2901 (or ECON2901) and ECOS2902 (or ECON2902) and ECMT2110 (or ECMT2010) or ECOS2904 (or ECON2904) NECON3103 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 3101	Economics Exchange	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 3102	Economics Exchange	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Tables of units of study

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ECON 4101	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: Theory and Policy (ECOS3901 or ECON3901) and Advanced Macroeconomics: Theory and Policy (ECOS3902 or ECON3902) with a Credit average or better in ECOS3901 and 3902; and Regression Modelling (ECMT2110 or ECMT2010). NB: Department permission required for enrolment. Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.	Semester 1, Semester 2
ECON 4102	Economics Honours B		12	CECON4101	Semester 1, Semester 2
ECON 4103	Economics Honours C		12	CECON4102	Semester 1, Semester 2
ECON 4104	Economics Honours D		12	CECON4103	Semester 1, Semester 2
ECOS 3551	Economics Exchange		6	P ECON 1001 and ECON 1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 3552	Economics Exchange		6	P ECON 1001 and ECON 1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 3553	Economics Exchange		6	P ECON 1001 and ECON 1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 3554	Economics Exchange		6	P ECON 1001 and ECON 1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOS 3901	Advanced Microeconomics: Theory & Policy		6	P ECOS2901 (or ECON2901), ECOS2902 (or ECON2902), ECOS2903 (or ECON2903) with a Credit average or better over the three units combined. NECON3901 NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECOS3001 (or ECON3001) to ECOS 3015 (or ECON3015) inclusive.	Semester 1
ECOS 3902	Advanced Macroeconomics: Theory & Policy		6	P ECOS3901 (or ECON3901) and ECMT2110 (or ECMT2010) or ECOS2904 (or ECON2904) N ECON3902 NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECOS3001 (or ECON3001) to ECOS 3015 (or ECON3015) inclusive.	Semester 2
Education					
EDUF 1018	Education, Teachers and Teaching		6	NEDUF1011	Semester 1
EDUF 1019	Human Development and Education		6	NEDUF1012	Semester 2
EDUF 2006	Educational Psychology		6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points	Semester 1
EDUF 2007	Social Perspectives on Education		6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points	Semester 2
EDUF 3023	Sports, Leisure and Youth		6	P 42 credit points	Semester 1
EDUF 3024	Adolescent Development		6	P 42 credit points and EDUF1019	Semester 2
EDUF 3025				NB: *** No info available for 2006. ***	
EDUF 3026	Global Poverty and Education		6	P 42 credit points.	Semester 1
EDUF 3027	International Education		6	P 42 credit points	Semester 2
EDUF 3028	Mentoring in Educational Contexts		6	P 42 credit points.	Semester 1
EDUF 3029	Psychology of Learning and Teaching		6	P 42 credit points and EDUF 2006.	Semester 2
EDUF 3030	Australian Secondary Schooling		6	P 42 credit points	Semester 1
EDUF 3031	Positive Approaches to Special Education		6	P 42 credit points	Semester 1b, Semester 2a, Semester 2b
EDUF 3032	Curriculum and Evaluation		6	P 42 credit points	Semester 2
EDUF 3033	Problems of Knowledge and Ethics		6	P 42 credit points	Semester 1
EDUF 4215	Education Honours 1		24	P 18 credit points from the following: EDUF3023, EDUF3024, EDUF3025, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032, EDUF3033 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 1
EDUF 4216	Education Honours 2		24	P 18 credit points from the following: EDUF3023, EDUF3024, EDUF3025, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032, EDUF3033 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Geography							
GEOG 1001	Biophysical Environments	6					Semester 1
GEOG 1002	Human Environments	6					Semester 2
GEOG 1551	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 2, Semester 1
GEOG 2311	Landscape Processes	6	P 36cp of Junior units of study, including GEOG1001 or ENVI (1001 or 1002), or GEOL (1001 or 1002). Students enrolled in the Bachelor of Resource Economics should have 36cp from Junior units of study in Biology (or Land and Water Science), Chemistry and Mathematics. NGEOG2001				Semester 1
GEOG 2321	Fluvial and Groundwater Geomorphology	6	P GEOG(2311 or 2001) or 36 credit points of Junior study including GEOG 1001 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 ENVI 1001, 12 credit points of Chemistry, 6 credit points of Biology, BIOM1002. N GEOG (2002 or 2302 or 2303) or MARS2002				Semester 2
GEOG 2411	Environmental Change and Human Response	6	P 36 cp of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or GEOL (1001 or 1002) NGEOG2101				Semester 1
GEOG 2421	Resource and Environmental Management;	6	P 36cp of Junior Units of Study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) NGEOG2102				Semester 2
GEOG 2511	Economic and Political Geography	6	P 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002) NGEOG2201				Semester 1
GEOG 2521	Urban and Cultural Geography	6	P 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002) N GEOG2202				Semester 2
GEOG 2551	Geography Exchange	4	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 2552	Geography Exchange	8	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 2553	Geography Exchange	4	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 2554	Geography Exchange	4	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 2555	Geography Exchange	8	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 2556	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 2557	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 3203			NB: *** No info available for 2006. ***				
GEOG 3511			NB: *** No info available for 2006. ***				
GEOG 3521	Sustainable Cities	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. Ngeog3921,GEOG3202				Semester 2
GEOG 3551	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 3552	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 3553	Geography Exchange	12	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 3554	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 3555	Geography Exchange	6	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 4011	Geography Honours A	12	NB: Department permission required for enrolment.				Semester 1, Semester 2
GEOG 4012	Geography Honours B	12	C GEOG 4011				Semester 1, Semester 2
GEOG 4013	Geography Honours C	12	C GEOG 4012				Semester 1, Semester 2
GEOG 4014	Geography Honours D	12	C GEOG 4013				Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
MARS 2005	Global Oceans (Introduction)	6	P 24 credit points of Junior units of study from Science Discipline Areas. NMARS2001 NB: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.	Semester 1
MARS 2006	Marine Ecosystems and Geomorphology	6	A MARS2005 P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2002 and GEOG2002 NB: This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.	Semester 2
MARS 2905	Global Oceans (Introduction) (Advanced)	6	P 24 credit points of Junior Science units. N MARS2005, MARS2001. NB: This unit of study is available to advanced students only.	Semester 1
MARS 2906	Marine Ecosystems and Geomorphology (Advanced)	6	P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2006, MARS2002, GEOG2002. NB: This unit of study is available to advanced students only.	Semester 2
MARS 2907	Marine Science Field School (Advanced)	6	P 24 credit points of Junior Science units. C MARS (2005 or 2905) N MARS2007, MARS2003. NB: This unit of study is available to advanced students only.	SI Intensive
Geology				
GEOL 1001	Earth and its Environment	6	A No previous knowledge of Geology assumed N GEOL 1501	Semester 1
GEOL 1002	Earth Processes and Resources	6	A No previous knowledge of Geology assumed N GEOL 1501	Semester 2
GEOL 1551	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 1902	Earth Materials and Resources (Advanced)	6	A No previous knowledge of Geology assumed N GEOL 1002 NB: Department permission required for enrolment. Departmental permission is required for enrolment; a UAI above 93 or a Distinction in GEOL 1001 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.	Semester 2
GEOL 2111	Volcanic Hazards and Solutions	6	P GEOL 1002 or ENVI 1001 or equivalent and 24 credit points of Junior Science units of study. NGEOL2001,CIVL2409	Semester 1
GEOL 2112	Environmental Geology and Climate Change	6	P 24 credit points of Science units of study N GEOL2004	Semester 1
GEOL 2124	Fossils and Time	6	P 24 credit points of Junior Science units of study N GEOL2003, CIVL2409	Semester 2
GEOL 2911	Volcanic Hazards & Solutions (Advanced)	6	P GEOL (1002 or 1902) or ENVI 1001 or equivalent NGEOL2111,GEOL2001 NB: Department permission required for enrolment. Department permission required for enrolment. 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.	Semester 1
GEOL 3551	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 3552	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 3553	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 3554	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MARS 2005	Global Oceans (Introduction)	6	P 24 credit points of Junior units of study from Science Discipline Areas. NMARS2001 NB: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.	Semester 1
MARS 2006	Marine Ecosystems and Geomorphology	6	A MARS2005 P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2002 and GEOG2002 NB: This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.	Semester 2
MARS 2905	Global Oceans (Introduction) (Advanced)	6	P 24 credit points of Junior Science units. N MARS2005, MARS2001. NB: This unit of study is available to advanced students only.	Semester 1
MARS 2906	Marine Ecosystems and Geomorphology (Advanced)	6	P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2006, MARS2002, GEOG2002. NB: This unit of study is available to advanced students only.	Semester 2
MARS 2907	Marine Science Field School (Advanced)	6	P 24 credit points of Junior Science units. C MARS (2005 or 2905) N MARS2007, MARS2003. NB: This unit of study is available to advanced students only.	SI Intensive

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge</i>	<i>P: Prerequisites</i>	<i>Q: Qualifying</i>	<i>C: Corequisites</i>	<i>N: Prohibition</i>	<i>Session</i>
Geophysics								
GEOS 3003	Dynamics of Continents and Basins	6		P GEOL (2002 or 2123) or CIVL2409 NGEOL3101, GEOS3903				Semester 1a
GEOS 3009	Coastal Environments & Processes	6		P 12 credit points of Intermediate Geoscience* or Marine Science units. N GEOS3909, MARS3003, MARS3105. NB: * Geoscience is the disciplines of Geography, Geology and Geophysics.				Semester 1
GEOS 3014	GIS in Coastal Management	6		P MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. N GEOS3914, MARS3104. NB: * Geoscience is the disciplines of Geography, Geology and Geophysics.				Semester 2
GEOS 3015	Environmental Geomorphology	6		A Intermediate geomorphology/ physical geography/ geology. P 24 credit points of Intermediate units, including 6 credit points of Intermediate Geography.				Semester 2
GEOS 3016	Seafloor Processes & Imaging	6		P 16 credit points of Intermediate Science including at least 6 credit points from Geology or Geography units of study or CIVL2409. N GEOS3916, MARS3005, MARS3106. NB: * Geoscience is the disciplines of Geography, Geology and Geophysics.				Semester 2
GEOS 3017	Global Energy-Exploration & Exploitation	6	P	MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. N GEOS3917, MARS3008. NB: * Geoscience is the disciplines of Geography, Geology and Geophysics. There are a limited number of places available at this fieldschool.				Semester 1
GEOS 3018	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				Semester 1
GEOS 3053	Asia-Pacific Field School-Assessment A	6		P 6 credit points of Intermediate units of study in Geography. C GEOS3054 NGEOG3201 NB: Department permission required for enrolment. Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.				SI Intensive
GEOS 3054	Asia-Pacific Field School-Assessment B	6		P 6 credit points of Intermediate units of study in Geography. C GEOS3053 NGEOG3201 NB: Department permission required for enrolment. Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.				SI Intensive
GEOS 3512	Contemporary Global Geographies	6		P 6 credit points of Intermediate units of study in Geography.				Semester 1
GEOS 3522	Cities and Citizenship	6		P 6 credit points of intermediate geography. N GEOG3203				Semester 2
MARS 2005	Global Oceans (Introduction)	6		P 24 credit points of Junior units of study from Science Discipline Areas. NMARS2001 NB: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.				Semester 1
MARS 2006	Marine Ecosystems and Geomorphology	6		A MARS2005 P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2002 and GEOG2002 NB: This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.				Semester 2
MARS 2905	Global Oceans (Introduction) (Advanced)	6		P 24 credit points of Junior Science units. N MARS2005, MARS2001. NB: This unit of study is available to advanced students only.				Semester 1
MARS 2906	Marine Ecosystems and Geomorphology (Advanced)	6		P 24 credit points of Junior units of study from Science Discipline Areas. N MARS2006, MARS2002, GEOG2002. NB: This unit of study is available to advanced students only.				Semester 2
MARS 2907	Marine Science Field School (Advanced)	6		P 24 credit points of Junior Science units. C MARS (2005 or 2905) N MARS2007, MARS2003. NB: This unit of study is available to advanced students only.				SI Intensive
Government and International Relations								
GOVT 1001	Government Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
GOVT 1002	Government Exchange	6		NB: Department permission required for enrolment.				Semester 1, Semester 2
GOVT 1101	Australian Politics	6						Semester 1
GOVT 1104	Power in Society	6						Semester 2
GOVT 1105	Geopolitics	6						Semester 1
GOVT 1202	World Politics	6						Semester 2
GOVT 1406	International Business and Politics	6						Semester 2

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
GOVT 1881 Government Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
GOVT 1882 Government Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2001 Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2002 Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2003 Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2004 Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2111 Human Rights and Australian Politics	6	P Two GOVT 1000 level units of study NGOVT2101 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GOVT 2114 The Australian Political Party System	6	P Two GOVT 1000 level units of study NGOVT2104	Semester 2
GOVT 2116 Australian Foreign and Defence Policy	6	P Two GOVT 1000 level units of study NGOVT2106	Semester 2
GOVT 2119 Southeast Asia: Dilemmas of Development	6	P Two GOVT 1000 level units of study NECHS2303,GOVT2109	Semester 1
GOVT 2221 Politics of International Economic Rels	6	P Two GOVT 1000 level units of study NGOVT2201	Semester 1
GOVT 2225 International Security in 21st Century	6	P Two GOVT 1000 level units of study N GOVT2205	Semester 2
GOVT 2226 International Organisations	6	P Two GOVT 1000 level units of study N GOVT2206	Semester 1
GOVT 2228 Environmental Politics	6	P Two GOVT 1000 level units of study N GOVT2208 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GOVT 2336 Gender and Human Rights	6	P Two GOVT 1000 level units of study N GOVT2306	Semester 1
GOVT 2440 Globalisation and National Governance	6	P Two GOVT 1000 level units of study NGOVT2410	Semester 1
GOVT 2444 Europe in World Affairs	6	P Two GOVT 1000 level units of study N GOVT2404 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GOVT 2445 American Politics and Foreign Policy	6	P Two GOVT 1000 level units of study N GOVT2405	Semester 1
GOVT 2552 Policy Analysis	6	P Two GOVT 1000 level units of study N GOVT2502 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GOVT 2557 Public Sector Management	6	P Two GOVT 1000 level units of study (for Management major only: any four 1000 level units) N GOVT2507	Semester 2
GOVT 2605 Ethics and Politics	8	P Two GOVT 1000 level units of study NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	S1 Intensive, Summer
GOVT 2665 Ethics and Politics	6	P Two GOVT 1000 level units of study N GOVT2605 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GOVT 2772 Israel, Palestinians & the Arab States	6	P Two GOVT 1000 level units of study N JCTC2008, HSTY2670, GOVT2702	Semester 2
GOVT 2881 Government Exchange	6	NB: Department permission required for enrolment.	Semester 2, Semester 1
GOVT 2882 Government Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2883 Government Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2884 Government Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2991 Government 2 Honours	6	P Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator. NGOVT2091 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
GOVT 3558	Internship in Public Policy and Affairs		18	P Consultation with Discipline's Internship Co-ordinator NGOVT3508 NB: Department permission required for enrolment. Applications in writing and enrolments limited by number of available placements. This unit is available in Semester 1 for Boston University and University of Sydney Student Exchange Agreement students only.	Semester 1, Semester 2
GOVT 3993	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 Chair of Discipline. NGOVT3991 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GOVT 3994	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 Chair of Discipline N GOVT3992 NB: This unit is available as a designated Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GOVT 4101	Government Honours A		12	P Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT 3991) 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 GOVT 4101, 4102, 4103, and 4104 NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 4102	Government Honours B		12	P Credit grades in two junior GOVT units, four 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 GOVT 4101, 4102, 4103, and 4104	Semester 2, Semester 1
GOVT 4103	Government Honours C		12	P Credit grades in two junior GOVT units, four 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 GOVT 4101, 4102, 4103, and 4104	Semester 2, Semester 1
GOVT 4104	Government Honours D		12	P Credit grades in two junior GOVT units, four 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 GOVT 4101, 4102, 4103, and 4104	Semester 1, Semester 2

History and Philosophy of Science

HPSC 1000	Bioethics		6	N HPSC 1900 NB: This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.	Semester 1
HPSC 1900	Bioethics (Advanced)		6	N HPSC 1000 NB: Enrolment in this unit is limited, and will be on a first-come first-served basis.	Semester 1
HPSC 2100	The Birth of Modern Science		6	P 24 credit points of Junior units of study N HPSC (2002 or 2900)	Semester 1
HPSC 2101	What Is This Thing Called Science?		6	P 24 credit points of Junior units of study N HPSC (2001 or 2901)	Summer, Semester 2
HPSC 2900	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 HPSC (2002 or 2100) NB: Enrolment in this unit is limited, and will be on a first-come, first-served basis.	Semester 1
HPSC 2901	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 HPSC (2002 or 2100) NB: Enrolment in this unit is limited and will be on a first-come, first-served basis.	Semester 2
HPSC 3002	History of Biological/Medical Sciences		6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 1
HPSC 3016	Mathematical Sciences: HPS		6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) P At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. N HPSC (3001 or 3106)	Semester 2
HPSC 3021				NB: *** No info available for 2006. ***	
HPSC 3022	Science and Society		6	A HPSC (2100 and 2101) or HPSC (2001 and 2002). P At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. N HPSC3003 NB: This unit is a requirement for HPS majors.	Semester 1
HPSC 3023	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 AND knowledge of the various sub-disciplines within Psychology. P (at least 8 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
HPSC 3024	Science and Ethics		6	P At least 24 credit points of Intermediate or Senior units of study N HPSC3007	Semester 2

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
HPSC 4108 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. NB: Department permission required for enrolment.	Semester 1, Semester 2
HPSC 4101 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. NB: Department permission required for enrolment. NB: Department permission required for enrolment	Semester 2
HPSC 4102 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. NB: Department permission required for enrolment. NB: Department permission required for enrolment	Semester 1, Semester 2
HPSC 4103 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. NB: Department permission required for enrolment. NB: Department permission required for enrolment.	Semester 1
HPSC 4104 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. NB: Department permission required for enrolment. NB: Department permission required for enrolment.	Semester 1, Semester 2
HPSC 4105 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. NB: Department permission required for enrolment. NB: Department permission required for enrolment.	Semester 1, Semester 2
HPSC 4106		NB: *** No info available for 2006.***	
HPSC 4201 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). NHPSC4106,HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4202 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 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4203 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). NHPSC4106,HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4204 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). NHPSC4106,HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4999 History & Philosophy of Science Honours	0	P Available only to students admitted to HPS Honours. NB: Department permission required for enrolment.	Semester 1, Semester 2
Industrial Relations and Human Resource Management			
WORK 1003 Foundations of Work and Employment	6	NB: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.	Semester 1, Semester 2
WORK 2201 Foundations of Management	6	P 24 credit points of junior units of study NIREL2001; WORK2001 NB: This is the compulsory unit of study for the Management major.	Semester 1
WORK 2203 Industrial Relations Policy	6	P 24 credit points of junior units of study including WORK1003 or WORK1001 (or IREL1001) NIREL2003; WORK2003 NB: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.	Semester 1
WORK 2204 Sociology of Work	6	P 48 junior credit points NIREL2004; WORK2004	Semester 2
WORK 2205 Human Resource Processes	6	P 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) NIREL2005; WORK2005 NB: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.	Semester 1
WORK 2207 Labour Law	6	P 48 credit points including WORK1003 (or WORK1001 or IREL1001) NIREL2007; WORK2007	Semester 2
WORK 2208 Work Safety	6	P 48 credit points including WORK1003 (OR WORK1001 or IREL1001) NIREL2008; WORK2008	Semester 1
WORK 2209 Organisational Analysis and Behaviour	6	P 48 credit points NIREL2009; WORK2009	Semester 2
WORK 2210 Strategic Management	6	P 48 credit points NIREL2010; WORK2010	Semester 1

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
WORK 2211 Human Resource Strategies	6	P 48 credit points including WORK1003 (orWORK1002 or IREL1002) NIREL2011;WORK2011	Semester 2
WORK 2215 IR and HRM Practice	6	P WORK 1003 (OR WORK 1001 AND WORK1002) plus 12 senior credit points in WOS units of study NIREL2015; WORK2015 NB: Department permission required for enrolment.	Semester 2
WORK 2217 International Human Resource Management	6	P48 credit points including either WORK1003 (ORWORK1001 orIREL1001)orIBUS2101 (or IBUS2001) NWORK2017	Semester 1
WORK 2218 People and Organisations	6	P 24 credit points of junior units of study	Semester 2
WORK 3921 Theories of Work and Organisations	6	P WORK 1003 OR ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)) and enrolled in IR/HRM or Mgmt major with minimum grade credit in all WORK units. C Enrolment in either an IR&HRM major or Management major NIREL3901; WORK3901 NB: Department permission required for enrolment.	Semester 1
WORK 3922 Researching Work and Organisations	6	P WORK3921 (or IREL3901 or IREL2901 and IREL2902) and enrolled in IR/HRM or Management major with minimum grade credit in all WORK units. Students must have completed 48 senior credit points of study. NIREL3902; WORK3902 NB: Department permission required for enrolment. Enrolment in either an IR&HRM major or Management major	Semester 2
WORK 4101 Industrial Relations & HRM Honours A	12	P 36 credit points of senior level WORK units of study plus 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 NIREL4101 NB: Department permission required for enrolment.	Semester 1, Semester 2
WORK 4102 Industrial Relations & HRM Honours B	12	CWORK4101 NIREL4102	Semester 1, Semester 2
WORK 4103 Industrial Relations & HRM Honours C	12	CWORK4102 NIREL4103	Semester 1, Semester 2
WORK 4104 Industrial Relations & HRM Honours D	12	CWORK4103 NIREL4104	Semester 1, Semester 2
Information Systems			
ISYS 2140 Information Systems	6	A Understanding of the roles and functions of information technology tools for document processing, modelling, database management etc. Experience in the use of these tools to solve practical problems and to present the results effectively. Awareness of the main concepts of programming and of a program running in a computer (a process) P INFO(1003 or 1903 or 1000) or ISYS 1003 or INFS1000. N ISYS (2006 or 2007)	Semester 1
ISYS 3403 IT Systems in Arts and Humanities	6	P INFO (2000 or 2110 or 2810 or 2900) and INFO (2005 or 2120 or 2820 or 2905). N May not be counted with ISYS3113 or EBUS(3002 or 3004).	Semester 1
Law			
LAWS 1010 Torts	6	P LAWS 1000 or LAWS 1006 Foundations of Law NLAWS3001 Torts NB: Unit is part of the Combined Law program for students commencing in 2006.	Semester 2
LAWS 1006 Foundations of Law	6	NB: Unit is part of Combined Law.	Semester 1
LAWS 1007 Law, Lawyers and Justice	6	N LAWS 1010, LAWS3002, LAWS3004 NB: Department permission required for enrolment. Unit is part of the Combined Law program. Available to students who commenced prior to 2001 and have completed LAWS3001 only.	Semester 2
LAWS 1008 Legal Research	0		Semester 1, Semester 2
LAWS 2008 Contracts	6	P LAWS 1000 or LAWS 1006 Foundations of Law N LAWS 1002	Semester 1
LAWS 2009 Criminal Law	6	N LAWS 1003	Semester 2
LAWS 3000 Federal Constitutional Law	10	P LAWS 1000 or 1006, Foundations of Law NB: Unit is part of Combined Law.	Semester 1
LAWS 3001 Torts	10	N LAWS 1010 Torts NB: Department permission required for enrolment. Departmental permission required for enrolment. Available to students who commenced prior to 2001 only and who have previously enrolled in LAWS 1007.	Semester 2
LAWS 3002 Law, Lawyers and Justice	10	NB: Unit is part of the Combined Law program.	Semester 2
Management			
ECOS 3003 Hierarchies, Incentives & Firm Structure	6	P Either ECOS2001 (or ECON2001) or ECOS2901(or ECON2901) N ECON3003	Semester 1
ECOS 3005 Industrial Organisation	6	P One of ECOS2001 (or ECON2001), or ECOS2901 (or ECON2901) N ECON3005, ECOS2201	Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
ECOS 3008	Labour Economics	6	P One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002).. N ECON3008	Semester 1
ECOS 3012	Strategic Behaviour	6	P Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) N ECON3012	Semester 2
GOVT 2552	Policy Analysis	6	P Two GOVT 1000 level units of study N GOVT2502 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GOVT 2557	Public Sector Management	6	P Two GOVT 1000 level units of study (for Management major only: any four 1000 level units) N GOVT2507	Semester 2
WORK 2204	Sociology of Work	6	P 48 junior credit points N IREL2004; WORK2004	Semester 2
WORK 2205	Human Resource Processes	6	P 24 credit points of junior units of study including WORK1 003 (or WORK1 002 or IREL1002) N IREL2005; WORK2005 NB: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.	Semester 1
WORK 2209	Organisational Analysis and Behaviour	6	P 48 credit points N IREL2009; WORK2009	Semester 2
WORK 2210	Strategic Management	6	P 48 credit points N IREL2010; WORK2010	Semester 1
WORK 2211	Human Resource Strategies	6	P 48 credit points including WORK1 003 (or WORK1002 or IREL1002) N IREL2011; WORK2011	Semester 2
WORK 2217	International Human Resource Management	6	P 48 credit points including either WORK1 003 (OR WORK1001 or IREL1001) or IBUS2101 (or IBUS2001) N WORK2017	Semester 1
WORK 2218	People and Organisations	6	P 24 credit points of junior units of study	Semester 2
WORK 2219	Management and Organisational Ethics	6	P 48 credit points	Semester 2
WORK 2221	Organisational Communication	6	P 48 credit points	Semester 1
Mathematical Statistics				
STAT 1021	General Statistical Methods 1	6	A HSC General Mathematics N MATH1005, MATH1015, MATH1905, ECMT1010	Semester 1
STAT 1022	General Statistical Methods 2	6	P STAT1021 N MATH (1005 or 1015 or 1905).	Semester 2
STAT 2011	Statistical Models	6	P MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021] N STAT (2901 or 2001 or 2911)	Semester 1
STAT 2012	Statistical Tests	6	A STAT (2011 or 2002) P MATH (1005 or 1905 or 1015) N STAT (2004 or 2912)	Semester 2
STAT 2911	Probability and Statistical Models (Adv)	6	P MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005) N STAT (2001 or 2011 or 2901)	Semester 1
STAT 2912	Statistical Tests (Advanced)	6	A STAT (2911 or 2901) P MATH 1905 or Credit in MATH 1005 N STAT (2004 or 2012 or 1022)	Semester 2
STAT 3011	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
STAT 3012	Applied Linear Methods	6	P STAT(2012 or 2912 or 2004) and MATH(1002 or 1902). N STAT3912, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT 3013	Statistical Inference	6	P STAT(2012 or 2912 or 2003 or 2903). N STAT3913, STAT3001, STAT3901.	Semester 2
STAT 3014	Applied Statistics	6	A STAT(3012 or 3912). P STAT(2012 or 2912 or 2004). N STAT3914, STAT3002, STAT3902, STAT3006	Semester 2
STAT 3911	Stochastic Processes and Time Series Adv	6	P (STAT2911 or Credit in STAT2901) and MATH(1003 or 1903 or 1907). N STAT3011, STAT3003, STAT3903, STAT3005, STAT3905.	Semester 1
STAT 3912	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
STAT 3913	Statistical Inference Advanced	6	P STAT(2912 or 2903). N STAT3013, STAT3001, STAT3901.	Semester 2
STAT 3914	Applied Statistics Advanced	6	A STAT3912. P STAT2912 or Credit or better in STAT2004. N STAT3014, STAT3002, STAT3902, STAT3006, STAT3907.	Semester 2
STAT 4201	Mathematical Statistics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
STAT 4202	Mathematical Statistics Honours B	12	C STAT 4201	Semester 2, Semester 1

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
STAT 4203	Mathematical Statistics Honours C	12	C STAT 4202	Semester 2, Semester 1
STAT 4204	Mathematical Statistics Honours D	12	C STAT 4203	Semester 1, Semester 2
Mathematics				
MATH 1001	Differential Calculus	3	A HSC Mathematics Extension 1 NMATH 1011 or 1901 or 1906 or 1111	Semester 1, Summer
MATH 1002	Linear Algebra	3	A HSC Mathematics Extension 1 N MATH 1902 or 1012 or 1014	Summer, Semester 1
MATH 1003	Integral Calculus and Modelling	3	A HSC Mathematics Extension 2 or MATH 1001 or MATH 1111 N MATH 1013 or 1903 or 1907	Semester 2, Summer
MATH 1004	Discrete Mathematics	3	A HSC Mathematics Extension 1 N MATH 1904 or MATH2011	Summer, Semester 2
MATH 1005	Statistics	3	A HSC Mathematics N MATH (1905 or 1015) or ECMT Junior units of study or STAT (1021 or 1022)	Semester 2, Summer
MATH 1011	Life Sciences Calculus	3	A HSC Mathematics N MATH (1111 or 1001 or 1901 or 1906).	Semester 1, Summer
MATH 1013	Differential and Difference Equations	3	A HSC Mathematics or MATH 1111 N MATH (1003 or 1903 or 1907).	Semester 2
MATH 1014	Introduction to Linear Algebra	3	A NSW HSC Mathematics (2 UNIT) or MATH1111 N MATH 1012, MATH 1002, MATH 1902	Semester 2
MATH 1015	Life Science Statistics	3	A HSC Mathematics N MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study.	Semester 1
MATH 1111	Introduction to Calculus	6	A At least Year 10 Mathematics NMATH1001, MATH1901, MATH1011, MATH1906 NB: Students with HSC Mathematics/Extension 1/Extension 2 (or equivalent) are prohibited.	Semester 1
MATH 1901	Differential Calculus (Advanced)	3	A HSC Mathematics Extension 2 NMATH (1111 or 1011 or 1001 or 1906)	Semester 1
MATH 1902	Linear Algebra (Advanced)	3	A HSC Mathematics Extension 2 N MATH (1002 or 1012 or 1014)	Semester 1
MATH 1903	Integral Calculus and Modelling Advanced	3	A HSC Mathematics Extension 2 or Credit or better in MATH (1001 or 1901) N MATH (1003 or 1013 or 1907)	Semester 2
MATH 1904	Discrete Mathematics (Advanced)	3	A HSC Mathematics Extension 2 N MATH 1004 or MATH2011	Semester 2
MATH 1905	Statistics (Advanced)	3	A HSC Mathematics Extension 2 N MATH (1005 or 1015) or ECMT Junior units of study or STAT (1021 or 1022)	Semester 2
MATH 1906	Mathematics (Special Studies Program) A	3	P UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation NMATH (1111 or 1001 or 1011 or 1901). NB: Department permission required for enrolment.	Semester 1
MATH 1907	Mathematics (Special Studies Program) B	3	P Distinction in MATH 1906; by invitation. N MATH (1003 or 1013 or 1903). NB: Department permission required for enrolment.	Semester 2
MATH 2061	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 MATH (2001 or 2901 or 2002 or 2902 or 2961 or 2067)	Semester 1, Summer
MATH 2063	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 MATH (2003 or 2903 or 2006 or 2906 or 2963)	Semester 1
MATH 2065	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 MATH (2005 or 2905 or 2965 or 2067)	Semester 2
MATH 2068	Number Theory and Cryptography	6	P 9 credit points of Junior level Mathematics including MATH (1002 or 1902) N MATH (3024 or 3009)	Semester 2
MATH 2069	Discrete Mathematics and Graph Theory	6	P 6 credit points of Junior level Mathematics N MATH (2011 or 2009 or 2969)	Semester 1
MATH 2070	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 MATH (2010 or 2033 or 2933 or 2970), ECMT3510 NB: Students may enrol in both MATH2070 and MATH3075 in the same semester	Semester 2
MATH 2916	Working Seminar A (SSP)	3	P By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics NB: Department permission required for enrolment.	Semester 1
MATH 2917	Working Seminar B (SSP)	3	P By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics NB: Department permission required for enrolment.	Semester 2
MATH 2961	Linear Mathematics & Vector Calculus (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 MATH (2001 or 2901 or 2002 or 2902 or 2061 or 2067)	Semester 1
MATH 2962	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 MATH (2007 or 2907)	Semester 1

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
MATH 2963 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 MATH (2003 or 2903 or 2006 or 2906 or 2063)	Semester 1
MATH 2965 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 MATH (2005 or 2905 or 2065 or 2067)	Semester 2
MATH 2968 Algebra (Advanced)	6	P 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH 1902 or Credit in MATH 1002) N MATH (2908 or 2918 or 2008)	Semester 2
MATH 2969 Discrete Mathematics & Graph Theory Adv	6	P 9 credit points of Junior Mathematics (advanced level or Credit at the normal level) N MATH (2011 or 2009 or 2069)	Semester 1
MATH 2970 Optimisation & Financial Mathematics Adv	6	A MATH (1903 or 1907) or Credit in MATH 1003 P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) N MATH (2010 and 2033 and 2933 and 2070) NB: Students may enrol in both MATH2970 and MATH3975 in the same semester	Semester 2
MATH 3061 Geometry and Topology	6	P 12cp of Intermediate Mathematics N MATH3001, MATH3006	Semester 2
MATH 3062 Algebra and Number Theory	6	P 12 credit points of Intermediate Mathematics N MATH3962, MATH3902, MATH3002, MATH3009 NB: Students are advised to take MATH(2068 or 2968) before attempting this unit.	Semester 2
MATH 3063 Differential Equations & Biomaths	6	AMATH2061 P 12 Credit points of Intermediate Mathematics N MATH3020, MATH3920, MATH3003, MATH3923, MATH3963	Semester 1
MATH 3065 Logic and Foundations	6	P 6cp of Intermediate Mathematics N MATH3005	Semester 1
MATH 3067 Information and Coding Theory	6	P 12cp of Intermediate Mathematics N MATH3007, MATH3010	Semester 2
MATH 3068 Analysis	6	P 12cp of Intermediate Mathematics N MATH3008, MATH2007, MATH2907, MATH2962	Semester 1
MATH 3075 Financial Mathematics	6	P 12 credit points of Intermediate Mathematics N MATH3975, MATH 3015, MATH3933	Semester 2
MATH 3076 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 MATH 3976, MATH3016, MATH3916	Semester 1
MATH 3078 PDEs and Waves	6	A MATH(2061/2961) and MATH(2065/2965) P 12 credit points Intermediate Mathematics N MATH3978, MATH3018, MATH3921	Semester 2
MATH 3961 Metric Spaces (Advanced)	6	AMATH2961 or MATH2962 P 12 Credit points of Intermediate Mathematics units N MATH3901, MATH3001	Semester 1
MATH 3962 Rings, Fields and Galois Theory (Adv)	6	AMATH2961 P 12 cp of Intermediate Mathematics N MATH3062, MATH3902, MATH3002 NB: Students are advised to take MATH2968 before attempting this unit.	Semester 1
MATH 3963 Differential Equations & Biomaths (Adv)	6	AMATH2961 P 12 Credit points of Intermediate Mathematics N MATH3020, MATH3920, MATH3003, MATH3923, MATH3063	Semester 1
MATH 3964 Complex Analysis with Applications (Adv)	6	A MATH2962 P 12 credit points of Intermediate Mathematics N MATH3904, MATH3915	Semester 2
MATH 3966 Modules and Group Representations (Adv)	6	A MATH3962 P 12 cp of Intermediate Mathematics N MATH3906, MATH3907	Semester 2
MATH 3968 Differential Geometry (Advanced)	6	A At least 6 cp of Advanced Mathematics Units of Study at Intermediate or Senior level. P 12 cp of Intermediate Mathematics, including MATH2961 N MATH3903	Semester 2
MATH 3969 Measure Theory & Fourier Analysis (Adv)	6	A At least 6 cp of Advanced Mathematics Units of Studt at Intermediate or Senior level P 12 cp Intermediate Mathematics N MATH3909	Semester 2
MATH 3974 Fluid Dynamics (Advanced)	6	A MATH2961, MATH2965 P 12 Credit Points of Intermediate Mathematics with average grade of at least Credit NMATH3914	Semester 1
MATH 3975 Financial Mathematics (Advanced)	6	P 12 credit points of Intermediate Mathematics with at least Credit average N MATH3933, MATH3015, MATH3075	Semester 2
MATH 3976 Mathematical Computing (Advanced)	6	P 12 credit points of Intermediate Mathematics and one of MATH(1903 or 1907) or Credit in MATH 1003 N MATH 3076, MATH 3016, MATH3916	Semester 1
MATH 3977 Lagrangian & Hamiltonian Dynamics (Adv)	6	P 12 credit points of Intermediate Mathematics with at least Credit average N MATH2904, MATH2004, MATH3917	Semester 2
MATH 3978 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

<i>Unit of Study</i>		<i>CP A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>		<i>Session</i>
MATH 4301	Pure Mathematics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
MATH 4302	Pure Mathematics Honours B	12	C MATH 4301	Semester 1, Semester 2
MATH 4303	Pure Mathematics Honours C	12	C MATH 4302	Semester 1, Semester 2
MATH 4304	Pure Mathematics Honours D	12	C MATH 4303	Semester 1, Semester 2
MATH 4401	Applied Mathematics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
MATH 4402	Applied Mathematics Honours B	12	C MATH 4401	Semester 1, Semester 2
MATH 4403	Applied Mathematics Honours C	12	C MATH 4402	Semester 1, Semester 2
MATH 4404	Applied Mathematics Honours D	12	C MATH 4403	Semester 1, Semester 2
Physics				
COSC 1001	Computational Science in Matlab	3	A HSC Mathematics N May not be counted with COSC 1901.	Semester 2
COSC 1002	Computational Science in C	3	A HSC Mathematics N May not be counted with COSC 1902.	Semester 2
COSC 1901	Computational Science in Matlab (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC 1902, or a distinction or better in COSC 1002, SOFT (1001, 1002, 1901 or 1902). N May not be counted with COSC 1001.	Semester 2
COSC 1902	Computational Science in C (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC 1901, or a distinction or better in COSC 1001, SOFT (1001, 1002, 1901 or 1902). N May not be counted with COSC 1002.	Semester 2
COSC 3011	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, COSC 3001, COSC 3901, PHYS3301, PHYS3901	Semester 1
COSC 3012	Parallel Computing & Visualisation	6	A Programming experience in C and MATLAB or equivalent. P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. N COSC3902, COSC 3002, COSC 3902, COSC3601, PHYS3303, PHYS3933	Semester 2
COSC 3911	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, COSC 3001, COSC 3901, PHYS3301, PHYS3901	Semester 1
COSC 3912	Parallel Computing & Visualisation (Adv)	6	A Programming experience in C and MATLAB or equivalent. 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 COSC3012, COSC 3002, COSC 3902, COSC3601, PHYS3303, PHYS3933	Semester 2
PHYS 1001	Physics 1 (Regular)	6	A HSC Physics C Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) N PHYS (1002 or 1901)	Semester 1
PHYS 1002	Physics 1 (Fundamentals)	6	A No assumed knowledge of Physics C Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) N PHYS (1001 or 1901)	Semester 1
PHYS 1003	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) would also be useful. N PHYS (1004 or 1902)	Semester 2
PHYS 1004	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 would also be useful. N PHYS (1003 or 1902)	Semester 2
PHYS 1500	Astronomy	6	A No assumed knowledge of Physics.	Semester 2
PHYS 1600	Concepts and Issues in Physical Science	6	A No assumed knowledge of HSC Physics or Mathematics is required.	Semester 2
PHYS 1901	Physics 1A (Advanced)	6	P UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1902, 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 PHYS (1001 or 1002)	Semester 1
PHYS 1902	Physics 1B (Advanced)	6	P UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1901, 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 would also be useful. N PHYS (1003 or 1004) NB: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit	Semester 2

5. Tables of units of study

<i>Unit of Study</i>		<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
PHYS 2011	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 PHYS 1500 and PHYS 1600) N PHYS (2001 or 2901 or 2911 or 2101 or 2103 or 2213 or 2203)	Semester 1
PHYS 2012	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 PHYS (2102 or 2104 or 2902 or 2002 or 2912 or 2213 or 2203)	Semester 2
PHYS 2013	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 PHYS (2001 or 2901 or 2913 or 2101 or 2103)	Semester 2
PHYS 2911	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 PHYS (2901 or 2001 or 2011 or 2101 or 2103 or 2213 or 2203)	Semester 1
PHYS 2912	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 PHYS (2102 or 2104 or 2902 or 2002 or 2012 or 2213 or 2203)	Semester 2
PHYS 2913	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 PHYS (2001 or 2901 or 2013 or 2101 or 2103)	Semester 2
PHYS 3040	Electromagnetism & Physics Lab	6	P PHYS(2011 or 2911), PHYS(2012 or 2912), MATH(2061 or 2961) N PHYS3940, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917	Semester 1
PHYS 3050	Nanoscience/Optics & Physics Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3950, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3012, PHYS3021, PHYS3912, PHYS3921	Semester 1
PHYS 3051	Thermodynamics/Biol. Physics & Lab	6	P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3951, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3013, PHYS3023, PHYS3913, PHYS3923	Semester 1
PHYS 3052	Nanoscience/Thermodynamics & Lab	6	P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3952, PHYS3050, PHYS3051, PHYS3053, PHYS3056, PHYS3950, PHYS3951, PHYS3953, PHYS3956, PHYS3013, PHYS3021, PHYS3913, PHYS3921	Semester 1
PHYS 3053	Thermodynamics/Optics & Physics Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3953, PHYS3050, PHYS3051, PHYS3052, PHYS3056, PHYS3950, PHYS3951, PHYS3952, PHYS3956, PHYS3012, PHYS3013, PHYS3912, PHYS3913	Semester 1
PHYS 3056	Nanoscience/Optics/Thermodynamics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3956, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3057, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3958, PHYS3012, PHYS3013, PHYS3021, PHYS3912, PHYS3913, PHYS3921	Semester 1
PHYS 3057	Nanoscience/Thermodynamic/Biol.Phys	6	P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3957, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3958, PHYS3013, PHYS3021, PHYS3023, PHYS3913, PHYS3921, PHYS3923	Semester 1
PHYS 3058	Optics/Thermodynamics/Biol. Physics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3958, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3057, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3957, PHYS3012, PHYS3013, PHYS3023, PHYS3912, PHYS3913, PHYS3923	Semester 1
PHYS 3060	Quantum Mechanics & Physics Lab	6	P PHYS 2011 or 2911; PHYS 2012 or 2912; MATH 2061 or 2961 N PHYS 3960, 3961, 3011, 3024, 3026, 3027, 3911, 3924, 3926, 3927	Semester 2
PHYS 3070	Plasma Physics/Cond. Matter & Lab	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911); PHYS (2012 or 2912) N PHYS3970, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3912, PHYS3921	Semester 2
PHYS 3071	High Energy/Astrophysics & Lab	6	P PHYS (2011 or 2911); PHYS (2012 or 2912); PHYS (2013 or 2913) N PHYS3971, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3022, PHYS3922	Semester 2
PHYS 3072	Plasma Physics/Astrophysics & Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961) P PHYS (2012 or 2912); PHYS (2013 or 2913) N PHYS3972, PHYS3070, PHYS3071, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922	Semester 2
PHYS 3073	Plasma/High Energy Physics & Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911); PHYS (2012 or 2912); PHYS (2013 or 2913) N PHYS3973, PHYS3070, PHYS3071, PHYS3072, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922	Semester 2

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
PHYS 3074	High Energy/Cond. Matter Physics & Lab	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911); PHYS (2012 or 2912); PHYS (2013 or 2913)	N PHYS3974, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922			Semester 2
PHYS 3075	Cond. Matter/Astrophysics & Lab	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2012 or 2912); PHYS (2013 or 2913)	N PHYS3975, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922			Semester 2
PHYS 3076	Plasma/Cond.Matter/High Energy Physics	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911); PHYS (2012 or 2912); PHYS (2013 or 2913)	N PHYS3976, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, PHYS3921, PHYS3922			Semester 2
PHYS 3077	Plasma/Cond. Matter/Astrophysics	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2012 or 2912); PHYS (2013 or 2913)	N PHYS3977, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, 3921, PHYS3922			Semester 2
PHYS 3078	Plasma/High Energy/Astrophysics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911); PHYS (2012 or 2912); PHYS (2013 or 2913)	N PHYS3978, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922			Semester 2
PHYS 3079	Cond. Matter/High Energy/Astrophysics	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911); PHYS (2012 or 2912); PHYS (2013 or 2913)	N PHYS3979, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3012, PHYS3022, PHYS3912, PHYS3922			Semester 2
PHYS 3940	Electromagnetism & Physics Lab (Adv)	6		P PHYS (2011 or 2911) with a grade of at least Credit; PHYS (2012 or 2912) with a grade of at least Credit; MATH (2061 or 2961)	N PHYS3040, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917			Semester 1
PHYS 3941	Electromagnetism & Special Project (Adv)	6		P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; MATH (2061 or 2961)	N PHYS3040, PHYS3940, PHYS3961, PHYS3011, PHYS3911, PHYS3918, PHYS3928 NB: Department permission required for enrolment. Approval for this unit must be obtained from the School of Physics Senior Coordinator.			Semester 1
PHYS 3950	Nanoscience/Optics & Physics Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3050, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3012, PHYS3021, PHYS3912, PHYS3921			Semester 1
PHYS 3951	Thermodynamics/Biol. Physics & Lab (Adv)	6		P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3013, PHYS3023, PHYS3913, PHYS3923			Semester 1
PHYS 3952	Nanoscience/Thermodynamics & Lab (Adv)	6		P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3052, PHYS3050, PHYS3051, PHYS3053, PHYS3056, PHYS3950, PHYS3951, PHYS3953, PHYS3956, PHYS3013, PHYS3021, PHYS3913, PHYS3921			Semester 1
PHYS 3953	Thermodynamics/Optics & Physics Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3053, PHYS3050, PHYS3051, PHYS3052, PHYS3056, PHYS3950, PHYS3951, PHYS3952, PHYS3956, PHYS3012, PHYS3013, PHYS3912, PHYS3913			Semester 1
PHYS 3956	Nanoscience/Optics/Thermodynamics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3056, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3057, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3957, PHYS3958, PHYS3012, PHYS3013, PHYS3021, PHYS3912, PHYS3913, PHYS3921			Semester 1
PHYS 3957	Nanoscience/Thermodynamics Biol.Phys(Adv)	6		P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3057, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3958, PHYS3013, PHYS3021, PHYS3023, PHYS3913, PHYS3921, PHYS3923			Semester 1
PHYS 3958	Optics/Thermodynamics/Biol.Physics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3058, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3057, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3957, PHYS3012, PHYS3013, PHYS3023, PHYS3912, PHYS3913, PHYS3923			Semester 1
PHYS 3960	Quantum Mechanics & Physics Lab (Adv)	6		P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; MATH (2061 or 2961)	N PHYS3060, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927			Semester 2
PHYS 3961	Quantum Mechanics & Special Project(Adv)	6		P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; MATH (2061 or 2961)	N PHYS3060, PHYS3960, PHYS3941, PHYS3011, PHYS3911, PHYS3918, PHYS3928 NB: Department permission required for enrolment. Approval for this unit must be obtained from the School of Physics Senior Coordinator			Semester 2

5. Tables of units of study

Unit of Study		CP	A: Assumed knowledge	P: Prerequisites	Q: Qualifying	C: Corequisites	N: Prohibition	Session
PHYS 3970	Plasma Physics/Cond. Matter & Lab (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit	N PHYS3070, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3912, PHYS3921			Semester 2
PHYS 3971	High Energy/Astrophysics & Lab (Adv)	6	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3022, PHYS3922				Semester 2
PHYS 3972	Plasma Physics/Astrophysics & Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3072, PHYS3070, PHYS3071, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922			Semester 2
PHYS 3973	Plasma/High Energy Physics & Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; PHYS 2013 or 2913 with at least Credit	N PHYS3073, PHYS3070, PHYS3071, PHYS3072, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922			Semester 2
PHYS 3974	High Energy/Cond. Matter Phys. & Lab (Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3074, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922			Semester 2
PHYS 3975	Cond. Matter/Astrophysics & Lab (Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3075, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922			Semester 2
PHYS 3976	Plasma/Cond.Matter/High Energy Phys (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3076, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, PHYS3921, PHYS3922			Semester 2
PHYS 3977	Plasma/Cond. Matter/Astrophysics (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3077, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, PHYS3921, PHYS3922			Semester 2
PHYS 3978	Plasma/High Energy/Astrophysics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least Credit; PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3078, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922			Semester 2
PHYS 3979	Cond. Matter/High Energy/Astrophys (Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961)	P PHYS (2011 or 2911) with at least credit; PHYS (2012 or 2912) with at least Credit; PHYS (2013 or 2913) with at least Credit	N PHYS3079, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3012, PHYS3022, PHYS3912, PHYS3922			Semester 2
Political Economy								
ECOP 1001	Economics as a Social Science	6						Semester 1
ECOP 1002	Economy and Policy	6						Semester 2
ECOP 1003	International Economy and Finance	6						Semester 2
ECOP 1551	Political Economy Exchange	6	NB: Department permission required for enrolment.					Semester 2, Semester 1
ECOP 1552	Political Economy Exchange	6	NB: Department permission required for enrolment.					Semester 1, Semester 2
ECOP 2011	Economic Foundation of Modern Capitalism	6	P ECOP1001 and either ECOP1002 or ECOP1003	N ECOP2001				Semester 1
ECOP 2012	Social Foundations of Modern Capitalism	6	P ECOP1001 and either ECOP1002 or ECOP1003	N ECOP2002				Semester 2
ECOP 2101	Political Economy Exchange	8	NB: Department permission required for enrolment.					Semester 1, Semester 2

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
ECOP 2102 Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 2911 Political Economy Honours II (Part A)	6	P Credit average in ECOP 1001 and ECOP 1002 CECOP2011 or ECOP2012 N ECOP2901 NB: Department permission required for enrolment.	Semester 1
ECOP 3008 Economic Policy	8	P ECOP1001 and either ECOP1002 or ECOP1003	SI Intensive, Summer
ECOP 3012 Global Political Economy	6	P ECOP1001 and either ECOP1002 or ECOP1003 N ECOP3002	Semester 1
ECOP 3014 International Development and Trade	6	P ECOP1001 and either ECOP1002 or ECOP1003 N ECOP3004	Semester 2
ECOP 3015 Political Economy of the Environment	6	P ECOP1001 and either ECOP1002 or ECOP1003 N ECOP3005	Semester 1
ECOP 3017 Political Economy of Human Rights	6	P ECOP1001 and either ECOP1002 or ECOP1003 N ECOP3007	Semester 1
ECOP 3018		NB: *** No info available for 2006. ***	
ECOP 3019 Finance: Volatility and Regulation	6	P ECOP1001 and either ECOP1002 or ECOP1003 N ECOP3009	Semester 2
ECOP 3101 Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 3102 Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 3911 Political Economy Honours III (Part A)	6	P Credit average in 4 intermediate or senior ECOP units including ECOP2911 (or ECOP2901 and ECOP2902) N ECOP3901 NB: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.	Semester 1
ECOP 3912 Political Economy Honours III (Part B)	6	P Credit average in 4 intermediate or senior ECOP units including ECOP2911 (or ECOP2901 and ECOP2902) N ECOP3902 NB: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.	Semester 2
ECOP 4001 Political Economy Honours A	12	P ECOP2911 (or ECOP2901 and ECOP2902), ECOP3911 (or ECOP3901), ECOP3912 (or ECOP3902), ECOP2011 (or ECOP2001), ECOP2012 (or ECOP 2002) plus two other senior level ECOP units. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 4002 Political Economy Honours B	12	P ECOP2011 (or ECOP2001) & ECOP2012 (or ECOP2002), ECOP2911 (or ECOP 2901 & 2902), ECOP3911 (or ECOP 3901) & ECOP3912 (or ECOP3902), two other senior ECOP units. C ECOP4001	Semester 1, Semester 2
ECOP 4003 Political Economy Honours C	12	P ECOP2911 (or ECOP2901 and ECOP2902), ECOP3911 (or ECOP3901), ECOP3912 (or ECOP3902), ECOP2011 (or ECOP2001), ECOP2012 (or ECOP 2002) plus two other senior level ECOP units. C ECOP4002	Semester 1, Semester 2
ECOP 4004 Political Economy Honours D	12	P ECOP2911 (or ECOP2901 or ECOP2902), ECOP3911 (or ECOP3901), ECOP3912 (or ECOP3902), ECOP2011 (or ECOP2001), ECOP2012 (or ECOP 2002) plus two other senior level ECOP units. C ECOP4003	Semester 1, Semester 2
Psychology			
PSYC 1001 Psychology 1001	6		Semester 1, Summer
PSYC 1002 Psychology 1002	6		Semester 2, Summer
PSYC 1551 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2011 Brain and Behaviour	6	P PSYC (1001 and 1002). N PSYC2111	Semester 1
PSYC 2012 Statistics & Research Methods for Psych	6	A Recommended: HSC Mathematics, any level P PSYC (1001 and 1002). N PSYC2112	Semester 1
PSYC 2013 Cognitive and Social Psychology	6	P PSYC (1001 and 1002). N PSYC2113	Semester 2
PSYC 2014 Personality and Differential Psychology	6	P PSYC (1001 and 1002) N PSYC2114	Semester 2
PSYC 2551 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2552 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2553 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Tables of units of study

<i>Unit of Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
PSYC 2554 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2555 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2556 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2557 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3010 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). NPSYC3201	Semester 2
PSYC 3011 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). NPSYC3209	Semester 1
PSYC 3012 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). NPSYC3205	Semester 1
PSYC 3013 Perceptual Systems	6	APSYC2012 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 NPSYC3210	Semester 2
PSYC 3014 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 PSYC 3204, PSYC3215	Semester 2
PSYC 3015 Intelligence and Human Reasoning	6	APSYC(2012or2112). P PSYC(2014 or 2114) and PSYC(2013 or 2113).	Semester 1
PSYC 3016 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 PSYC 3206	Semester 1
PSYC 3017 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). NPSYC3212	Semester 1
PSYC 3018 Abnormal Psychology	6	APSYC2012 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
PSYC 3019 Communication and Counselling	6	A PSYC (2012 or 2112). P PSYC2013 and one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112) and PSYC (2014 or 2114). NPSYC3214	Semester 2
PSYC 3551 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3552 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3553 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3554 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3555 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3556 Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3557 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3558 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3559 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3560 Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 4011 Psychology Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 4012 Psychology Honours B	12	C PSYC 4011	Semester 1, Semester 2
PSYC 4013 Psychology Honours C	12	C PSYC 4012	Semester 1, Semester 2

<i>Unit</i>	<i>of</i>	<i>Study</i>	<i>CP</i>	<i>A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition</i>	<i>Session</i>
PSYC 4014	Psychology Honours D		12	CPSYC4013	Semester 1, Semester 2
NEUR 3003	Cellular and Developmental Neuroscience	6	A	Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. P 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 NNEUR3903 NB: Enrollment in NEUR3004/3904 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.	Semester 2
NEUR 3004	Integrative Neuroscience	6	A	Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. P 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. N NEUR3904 NB: Enrollment in NEUR3003/3903 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.	Semester 2
NEUR 3903	Cellular & Developmental Neurosci. (Adv)	6	A	Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. P 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. N NEUR3003 NB: Department permission required for enrolment. Enrollment in NEUR3004/3904 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other. Students must receive permission from the coordinators for enrollment.	Semester 2
NEUR 3904	Integrative Neuroscience (Advanced)	6	A	Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. P 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. N NEUR3004 NB: Department permission required for enrolment. Enrollment 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 enrollment.	Semester 2
Psychology for Social Work					
SCWK 2004	Psychology for Social Work 201	6	P	48 junior credit points. NPSYC2111-2114, 2011=2014	Semester 1
SCWK 2005	Psychology for Social Work 202	6	P	48 junior credit points. NPSYC2111-2114, 2011-2014	Semester 2

6. Economics and Business units of study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

The Faculty web site (www.econ.usyd.edu.au/ugunits) contains the most up to date information on unit of study availability. Timetabling information for 2006 is also available on the Faculty web site (www.econ.usyd.edu.au/timetable). Students should note that units are run subject to demand. Key for intensive sessions: 1a = 7; 1b = 8; 2a = 9; 2b = 10; S1 intensive = 61; s2 intensive = 51; summer = Summer School; and winter = Winter School.

Accounting

ACCT 1001 Accounting IA

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Three hours of lectures/tutorials. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** ACCT1003, ACCT1004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Restricted entry

Introduces accounting and the double entry system of financial recording. Students are introduced to the skills necessary to prepare, interpret and analyse financial statements. Examines assumptions underlying the preparation of financial statements for external users. Development of skills necessary to understand, discuss, analyse and write about accounting-related topics. Designed as an introduction to accounting. No prior knowledge of accounting assumed.

ACCT 1002 Accounting IB

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Semester 2, Summer. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT 1001. **Prohibitions:** ACCT 1003, ACCT1004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Restricted entry

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 IB 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

ACCT 1003 Financial Accounting Concepts

6 credit points. B Agr Ec, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, B S T, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three hours of lectures/tutorials. **Prohibitions:** Terminating unit. Cannot be counted with ACCT1001 and ACCT1002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ACCT 1004 Management Accounting Concepts

6 credit points. B Agr Ec, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B S T, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three hours of lectures/tutorials. **Prohibitions:** Terminating unit. Cannot be counted with ACCT 1001 and ACCT1002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ACCT 1551 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 2011 Financial Accounting A

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT1001, ACCT1002 and ECMT1010. **Prohibitions:** ACCT2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

ACCT 2012 Management Accounting A

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT 1001 and ACCT1002. **Prohibitions:** ACCT2002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Session 2 entry subject to Discipline permission

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.

ACCT 2551 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 2552 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 3011 Financial Accounting B

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT2011 (or ACCT2001). **Prohibitions:** ACCT3001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit aims to provide students with an understanding of the issues and a working knowledge of the techniques that relate to certain advanced topics in financial reporting. Topics include accounting for a company's investments in subsidiaries, joint ventures and associates, segment reporting for diversified operations and disclosures in relation to corporate governance and related party transactions. Specific accounting issues in relation to group accounting include recognition and measurement of goodwill and outside equity interests, foreign currency transactions and translation, equity accounting. This unit attempts to develop students' understanding of disclosure and valuation issues in accounting and their ability to understand and critically evaluate current issues in accounting regulations and practice.

ACCT 3012 Management Accounting B

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT1001 and ACCT1002 and ACCT2012 (or ACCT2002). **Prohibitions:** ACCT3002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

ACCT 3013 Financial Statement Analysis

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT2011 (or ACCT2001) and FINC2011 (or FINC2001). **Prohibitions:** ACCT3003. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

ACCT 3014 Auditing

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT3011 (or ACCT3001). **Prohibitions:** ACCT3004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

The aim of this course is to develop an understanding of the nature of financial statement audits undertaken in compliance with the Corporations Act and the professional auditing standards. The course is both practical and theoretical. In tutorials, students are required to apply their knowledge in discussing case studies which have been developed based on actual experiences. The students are also exposed to current cases to assess the application of auditing procedures.

ACCT 3031 International Corporate Governance

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT2011 (or ACCT2001). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

ACCT 3032 Current Issues in Management Accounting

6 credit points. B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three hours of lectures/tutorials per week. **Prerequisites:** ACCT2012 (or ACCT2002). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; 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.

ACCT 3098 Accounting Honours Preparation A

3 credit points. B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 15 hour seminar every week. **Prerequisites:** ACCT2011 (or ACCT2001). **Corequisites:** ACCT3011. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment. Enrolment is by invitation only and will require a distinction average in ACCT units attempted [or be at the discretion of the Chair of Discipline on the recommendation of the Honours Coordinator].

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.

ACCT 3099 Accounting Honours Preparation B

3 credit points. B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 15 hour seminar every week. **Prerequisites:** ACCT2012 (or ACCT2002). **Corequisites:** ACCT3012. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment. Enrolment is by invitation only and will require a distinction average in ACCT units attempted [or be at the discretion of the Chair of Discipline on the recommendation of the Honours Coordinator].

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.

ACCT 3531 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

ACCT 3532 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 3551 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2, Semester 1. *NB: Department permission required for enrolment.*

ACCT 3552 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 3553 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 3554 Accounting Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ACCT 4101 Accounting Honours A

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Assessment:** Course work; Thesis.

NB: Department permission required for enrolment. 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:
- increasing students' analytic and constructive skills beyond the level acquired in undergraduate Pass level units;
- providing a foundation for the conduct of applied research in accounting; and
- conducting research in the form of a research report.

These skills are developed through the completion of an additional (fourth) year of study that may be either a full- or a part-time basis, though the former is more common.

ACCT 4102 Accounting Honours B

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Corequisites:** ACCT4101. **Assessment:** Course work; Thesis.

ACCT 4103 Accounting Honours C

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Corequisites:** ACCT4102. **Assessment:** Course work; Thesis.

ACCT 4104 Accounting Honours D

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Corequisites:** ACCT4103. **Assessment:** Course work; Thesis.

Business Information Systems**INFS 1000 Business Information Systems Foundations**

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Semester 1, Summer. **Classes:** 3 hours per week. **Prohibitions:** ISYS1003 or INFO 1000 or INFO 1003 or INFO1903. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 focuses on how businesses operate and shows how business information systems support business operations and management. Students are 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.

INFS 1005 Business Information Systems

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** 3 hours per week. **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003; ACCT1001 or ACCT1004. **Prohibitions:** ACCT2003; INFS2000. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit is designed to help you understand the firm's information environment from the perspective of users, evaluators and designers and how business processes impact on the appropriateness of information system design. It will raise your awareness of managers' professional and legal responsibility for the design, operation and control of business information system applications, as it pertains to business events narrowly defined as accounting 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 and how to mitigate risks associated with a loss of control. You will gain knowledge of approaches and methodologies used in design, including structured design, computer aided software engineering and prototyping.

INFS 1551 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INFS 2010 Managing Information & Knowledge Assets

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week. **Assumed Knowledge:** INFS 1005. **Prerequisites:** INFS 1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003. **Prohibitions:** INFS3015. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

INFS 2020 Business Process Integration & Modelling

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Assumed Knowledge:** INFS1005. **Prerequisites:** INFS1000 or INFO1003 or INFO1903 or ISYS1003. **Prohibitions:** INFS2005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 equips students 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 provides students 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.

INFS 2030 e-Commerce Business Models

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** INFS 1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003. **Prohibitions:** ACCT3006, INFS3020. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

INFS 2551 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INFS 3030 IT Assurance and Control

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Assumed Knowledge:** INFS2010 or INFS3015, INFS2020 or INFS2005. **Prerequisites:** INFS 1005 or INFS2000. **Prohibitions:** INFS3010. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

INFS 3040 Enterprise Systems

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week. **Assumed Knowledge:** INFS2020. **Prerequisites:** INFS 1005 or INFS2000. **Prohibitions:** INFS3005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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 R/3 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 R/3 system

software. The integrative capabilities of enterprise system software, and its potential benefits and limitations to the businesses are highlighted throughout

INFS 3050 Supporting Business Intelligence

6 credit points. B A, B Com, B Com, B Com, LL B, B E, B Com, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Assumed Knowledge:** INFS2010 (or INFS3015). **Prerequisites:** INFS1005 (or INFS2000). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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. This unit examines the contribution of business intelligence tools and systems to this challenge by considering the establishment of data warehouses, data mining tools and their link with forecasting and prediction tasks. A common commercial software platform will be used to demonstrate the role of systems in business intelligence.

INFS 3060 Management Information Systems

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 24 credit points in INFS units of study. **Prohibitions:** INFS3000. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 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.

INFS 3080 Business Information Systems Project

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, BIT. **Session:** Semester 2, Semester 1. **Classes:** 3 hours per week. **Prerequisites:** Department permission and at least 48 credit points. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment.

INFS 3551 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, BIT. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

INFS 3552 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, BIT. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INFS 3553 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, BIT. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INFS 3554 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, BIT. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INFS 3555 Business Information Systems Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, BIT. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

INFS 4101 Business Information Systems Honours A

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems.

NB: Department permission required for enrolment. 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.

INFS 4102 Business Information Systems Honours B

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce 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.

INFS 4103 Business Information Systems Honours C

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce 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.

INFS 4104 Business Information Systems Honours D

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce 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.

Commercial Law

CLAW 1001 Commercial Transactions A

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Three lectures and one tutorial per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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). Basic elements of the law of agency, criminal law and the law of torts (in particular, negligence and negligent misstatement) are also examined. 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.

CLAW 1002 Commercial Transactions B

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW 1001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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, real property (land) and in-

lectual property. 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.

CLAW 1551 Commercial Law Exchange

6 credit points. B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLAW 2008 Special Topic in Business Law A

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** CLAW1001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment. Unit topics may vary according to staff availability and presence of visitors. Please contact the Discipline of Business Law for further details.

Special Topic in Business Law A provides students with the opportunity to study a specialised area of Business Law that may not necessarily be offered in the usual course of their degree. The content of the Special Topic will vary according to the expertise of visiting or adjunct Faculty. Special Topic in Business Law A will enable students to build on their existing Business Law knowledge and develop in depth understanding of a particular branch of Business Law.

CLAW 2009 Special Topic in Business Law B

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** CLAW1001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment. Unit topics may vary according to staff availability and presence of visitors. Please contact the Discipline of Business Law for further details.

Special Topic in Business Law B provides students with the opportunity to study a specialised area of Business Law that may not necessarily be offered in the usual course of their degree. The content of the Special Topic will vary according to the expertise of visiting or adjunct Faculty. Special Topic in Business Law B will enable students to build on their existing Business Law knowledge and develop in depth understanding of a particular branch of Business Law.

CLAW 2201 Corporations Law

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Any 4 full semester first year units of study including CLAW1001. **Prohibitions:** CLAW2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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 will also be discussed but studied in more depth in the elective, CLAW2203 Stock Markets and Derivatives Law.

CLAW 2202 Bankruptcy and Insolvency

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW2201 (or CLAW2001). **Prohibitions:** CLAW2002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit is concerned with the law relating to the bankruptcy of individuals and corporate insolvency. In relation to bankruptcy, the unit explores the mechanisms by which formal bankruptcy may occur (creditor and debtor petitions), the role of the trustee, creditors and the bankrupt in the administration of the bankrupt estate and the property available for distribution to creditors. It goes on to examine arrangements with creditors outside formal bankruptcy (Part IX debt agreements, Part X arrangements). In the case of corporate insolvency the areas examined include receivers and other controllers, voluntary administration and deeds of company arrangement, schemes of arrangement, winding up, the liability of company officers and professional advisers, and group insolvency. The structure of the insolvency profession and proposals for reform are also explored.

CLAW 2203 Stock Markets and Derivatives Law

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW2201 (or CLAW2001). **Prohibitions:** CLAW2003. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

CLAW 2204 Banking and Finance Law

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW 1001. **Prohibitions:** CLAW2004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

CLAW 2205 Trade Practices and Consumer Law

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW1001. **Prohibitions:** CLAW2005, CLAW3005, MKTG3005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

CLAW 2206 Legal Issues for e-Commerce

6 credit points. B A S, B Agr Ec, B C S T, B Com, B E, B Ec, B Ec Soc Sc, B IT, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** Any 8 full semester first year units of study. **Prohibitions:** CLAW2006. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

Commerce and business in an electronic environment has arrived and is in constant use. This unit focuses on the transactional and financial aspects of electronic commerce. The unit includes detailed coverage of legal aspects of electronic finance - Internet banking and digital cash and cards, electronic trade; contracts and digital signatures, taxation of electronic commerce and electronic property issues; copyright, patents and trade marks for digital property. The unit assumes no previous legal training or knowledge of the electronic media. The unit also covers basic introductory legal skills such as legal research, writing and citation as well as an introduction to electronic commerce, the history and operation of the Internet and major tools used in electronic commerce.

CLAW 2207 Legal Ethics and the Professions

6 credit points. B A S, B Agr Ec, B C S T, B Com, B E, B Ec, B Ec Soc Sc, B IT, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW 1001. **Prohibitions:** CLAW2007. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit of study begins with an introduction to the origin of ethics and an explanation of the ethical framework applied throughout the course. The significance of ethics to the major professions in the business world is the primary focus of this unit of study. The unit of study uses case studies to examine consequences for the stakeholders of decisions made by professionals including: accountants, auditors, business information system managers, lawyers, company officers, financial service providers such as s brokers and advisors and marketing managers. This unit of study concludes with an analysis

of the theoretical bases for the ethical framework applied in the unit of study.

CLAW 2551 Commercial Law Exchange

6 credit points. B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLAW 2552 Commercial Law Exchange

6 credit points. B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLAW 2553 Commercial Law Exchange

6 credit points. B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLAW 3101 Commercial Law Exchange

6 credit points. B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLAW 3102 Commercial Law Exchange

6 credit points. B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

CLAW 3201 Australian Taxation System

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** CLAW2201 (or CLAW2001). **Prohibitions:** CLAW3001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 anti-avoidance sections.

CLAW 3202 Tax Strategies in a Business Environment

6 credit points. B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW2201 (or CLAW2001), CLAW3201 (or CLAW3001). **Prohibitions:** CLAW3002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

CLAW 4101 Commercial Law Honours A

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **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.

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

Honours study is directed at:

- increasing students' analytic/constructive skills beyond the level acquired in undergraduate pass level units;
- providing a foundation for the conduct of applied research in law; and
- conducting research in the form of a research report.

These skills are developed through the completion of an additional (fourth) year of study that maybe either a full- or a part-time basis, though the former is more common.

CLAW 4102 Commercial Law Honours B

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** CLAW4101. **Assessment:** see CLAW4101.

This unit of study is part of the Honours program in Commercial Law. The unit covers commercial law issues. The unit is intended

to ensure students have a sound grounding in general commercial law areas including the legal system, contract and consumer law, trade practices and competition law and employment and industrial law. The unit will vary depending on the needs and interests of the students taking the unit. While the core will remain the same the focus will vary given the research interests of the students taking the unit.

Throughout the unit, legal research skills are integrated into the program. Student will learn to research both primary and secondary materials during the contract law topic. Basic reading and writing skills are emphasised throughout the course. Legal research and study skills will be covered early in the unit.

CLAW 4103 Commercial Law Honours C

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** CLAW4102. **Assessment:** see CLAW4101.

This unit of study examines the various types of business entities such as partnership, company and joint venture. Several issues are current in company law: the concept of a separate legal entity for the company; directors' duties; ethical issues; independence of auditors; the role and power of the regulator, ASIC; and the disclosure regime. The topic of corporate collapse will be examined in relation to directors' duties and creditors rights. The unit is research based and students will be given research assignments relevant to these topics.

CLAW 4104 Commercial Law Honours D

12 credit points. B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** CLAW4103. **Assessment:** see CLAW4101.

This unit of study is part of the Honours program in Commercial Law. The unit covers a wide range of issues dealing with tax policy. The unit is intended to ensure students develop the ability to read widely in the discipline, critically analyse the material read and apply that knowledge in formulating their own conclusions to the questions posed. The unit will vary depending on the needs and interests of the students taking the unit. While the core will remain the same the focus will vary given the research interests of the students taking the unit.

Students will be encouraged and supported to attend relevant seminars given by visiting tax scholars and to keep abreast of current policy initiatives. Throughout the unit, legal research skills are integrated into the program. Student will learn to research both primary and secondary materials during the course. Basic reading and writing skills are emphasised throughout the course. Legal research and study skills will be covered early in the unit.

Econometrics and Business Statistics

ECMT 1010 Business and Economic Statistics A

6 credit points. B A, B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, B Res Ec, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Semester 1. **Prohibitions:** ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 1020 Business and Economic Statistics B

6 credit points. B A, B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B IT, B Res Ec, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2. **Corequisites:** ECMT1010. **Prohibitions:** ECMT1021, ECMT1022 and ECMT 1023. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

ECMT 1551 Econometrics Exchange

6 credit points. B A, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ECMT 2110 Regression Modelling

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECMT1010. **Prohibitions:** ECMT2010. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 2120 Analysis of Discrete Choice Data

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT2110 (or ECMT2010). **Prohibitions:** ECMT2021. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 2130 Financial Econometrics

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT2110 (or ECMT2010). **Prohibitions:** ECMT2030. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 2620 Management Science

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT1010 and ECMT1020. **Prohibitions:** ECMT2720. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 2630 Managerial Decision Making

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECMT1010. **Prohibitions:** ECMT2730. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 2901 Econometrics Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECMT 2902 Econometrics Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECMT 2903 Econometrics Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECMT 3110 Econometric Models and Methods

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECMT2110 or ECMT2010. **Prohibitions:** ECMT3010. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 3120 Applied Econometrics

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT3110 or ECMT3010. **Prohibitions:** ECMT3020. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 3130 Forecasting for Economics and Business

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT2110 or ECMT2010. **Prohibitions:** ECMT3030. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 3150 The Econometrics of Financial Markets

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECMT1010, ECMT2110 (or ECMT2010) and ECMT2130 (or ECMT2030). **Prohibitions:** ECMT3050. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 3160 Statistical Modelling

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, M Com, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT2110 or ECMT2010. **Prohibitions:** ECMT3620 or ECMT3720; ECMT3210. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 3610 Management Science Models and Methods

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECMT2620 or ECMT2720. **Prohibitions:** ECMT3710. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECMT 3620 Stochastic Modelling for Management

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECMT2110 or ECMT2010. **Prohibitions:** ECMT3210 or ECMT3160; ECMT3720. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. *NB: Department permission required for enrolment.*

Much decision making in a managerial environment involves uncertainty and any decision is only as good as one's knowledge of the uncertainties. This unit commences with a review of probability theory. Birth-death processes are also covered with examples from memory less queues and maintenance policies. In addition, the unit covers how simulation can be used, both as a modelling tool and as an optimisation technique. Some models in inventory with uncertain demand, like the newsvendor problem, are looked at and, if time permits, Markov chain modelling and analysis is also discussed.

ECMT 3901 Econometrics Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECMT 3902 Econometrics Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECMT 3903 Econometrics Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECMT 4011 Statistical Foundations of Econometrics

6 credit points. M Com. **Session:** Semester 1. **Prerequisites:** ECMT1010, ECMT2110 (or ECMT2010), ECMT3110 (or ECMT3010) and ECMT3120 (or ECMT3020). **Prohibitions:** ECMT4101.

NB: Department permission required for enrolment. This unit is the core econometric methodology unit in honours in Econometrics & Business Statistics. While students not undertaking honours (full or joint) can enrol in this unit, they must obtain the permission of the Chair of Discipline to do so.

ECMT 4101 Econometrics Honours A

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Students who want to take Honours in Econometrics have to: (i) qualify for a major in either Econometrics, Management Decision Sciences or Management Science; (ii) obtain a credit average in six semester courses taken in the Discipline of Econometrics and Business Statistics at the 2-3000 level; and (iii) obtain a minimum of a credit in ECMT3110. 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.

NB: Department permission required for enrolment. 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.

ECMT 4102 Econometrics Honours B

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 2, Semester 1.

Corequisites: ECMT4101.

ECMT 4103 Econometrics Honours C

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 2, Semester 1.

Corequisites: ECMT4102.

ECMT 4104 Econometrics Honours D

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2.

Corequisites: ECMT4103.

ECMT 4601 Management Science Honours A

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Students who want to take Honours in Management Decision Sciences have to: (i) qualify for a major in either Econometrics, Management Decision Sciences or Management Science; (ii) obtain a credit average in six semester courses taken in the Discipline of Econometrics and Business Statistics at the 2-3000 level; and (iii) obtain a minimum of a credit in ECMT3610. 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.

NB: Department permission required for enrolment. 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.

ECMT 4602 Management Science Honours B

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2.

Corequisites: ECMT4601.

ECMT 4603 Management Science Honours C

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 2, Semester 1.

Corequisites: ECMT4602.

ECMT 4604 Management Science Honours D

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2.

Corequisites: ECMT4603.

Economics

ECON 1001 Introductory Microeconomics

6 credit points. B A, B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program, UG Summer/Winter School. **Session:** Summer, Semester 1. **Classes:** Two lectures and one tutorial per week. **Assumed Knowledge:** Mathematics. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 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.

ECON 1002 Introductory Macroeconomics

6 credit points. B A, B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Classes:** Two lectures and one tutorial per week. **Assumed Knowledge:** Mathematics. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECON 1551 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECOS 2001 Intermediate Microeconomics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** ECON1001. **Corequisites:** ECMT1010. **Prohibitions:** ECON2001, ECOS2901 (or ECON2901). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

ECOS 2002 Intermediate Macroeconomics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** ECON 1002. **Corequisites:** ECMT1020. **Prohibitions:** ECON2002, ECOS2902 (or ECON2902). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

ECOS 2201 Economics of Competition and Strategy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** ECON1001. **Prohibitions:** ECON2201, ECOS3005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 rade 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.

ECOS 2306 Managerial Firms: Evolution & Attributes

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week. **Prerequisites:** ECON1001. **Prohibitions:** ECHS2306 and ECOS3003 (or ECON3003). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment.

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.

ECOS 2551 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOS 2552 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECOS 2901 Intermediate Microeconomics Honours

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 1. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECON1001 and ECON1002 with a Credit average or better in the two units combined. **Corequisites:** ECOS2903 and ECMT1010. **Prohibitions:** ECON2901, ECOS2001 (or ECON2001). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

ECOS 2902 Intermediate Macroeconomics Honours

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECOS2901. **Corequisites:** ECMT1020. **Prohibitions:** ECON2902, ECOS2002 (or ECON2002). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

ECOS 2903 Mathematical Economics A

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec. **Session:** Semester 1. **Classes:** Two lectures per week. **Corequisites:** ECOS2901. **Prohibitions:** ECON2903. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Classes start in Week 3

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.

ECOS 2904 Mathematical Economics B

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** ECOS2903. **Corequisites:** ECOS2902. **Prohibitions:** ECON2904. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Classes start in Week 3

This unit follows on from ECON2903 Mathematical Economics A. Topics include: integration techniques, linear algebra (with applications to comparative statics and optimisation) and economic dynamics.

ECOS 3001 Capital and Growth

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week.

Prerequisites: One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002). **Prohibitions:** ECON3001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3002 Development Economics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures per week.

Prerequisites: One of ECOS2001 (or ECON2001), ECOS2002 (or ECON2002), ECOS2901 (or ECON2901), ECOS2902 (or ECON2902). **Prohibitions:** ECON3002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3003 Hierarchies, Incentives & Firm Structure

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week.

Prerequisites: Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901). **Prohibitions:** ECON3003. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3004 History of Economic Thought

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week.

Prerequisites: one 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:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit deals with the evolution of economic ideas from the late seventeenth century to the present day, with emphasis on the intellectual and social background that influenced the more important contributions. After a discussion of mercantilism and physiocracy, the work of Adam Smith and Ricardo are studied in detail. Nineteenth century economics is studied with special reference to the early criticisms of Ricardo, the work of John Stuart Mill and Marx, and the marginal revolution. Developments of the twentieth century, subsequently covered, include production, capital and distribution theory, the imperfect competition and Keynesian revolutions, and post-war developments.

ECOS 3005 Industrial Organisation

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures per week.

Prerequisites: One of ECOS2001 (or ECON2001), or ECOS2901 (or ECON2901).

Prohibitions: ECON3005, ECOS2201. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. 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.

ECOS 3006 International Trade

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week.

Prerequisites: Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901).

Prohibitions: ECON3006. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3007 International Macroeconomics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures per week.

Prerequisites: One of ECOS2002 (or ECON2002) or ECOS2902 (or ECON2902).

Prohibitions: ECON3007. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3008 Labour Economics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week.

Prerequisites: One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002). **Prohibitions:** ECON3008. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3009 Markets, Regulation & Government Policy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** One of ECOS2001 (or ECON2001), ECOS2901 (or ECON2901), ECOP2011 (or ECOP2001), plus one of ECOS2002 (or ECON2002), ECOS2902 (or ECON2902), ECOP2012 (or ECOP2002). **Prohibitions:** ECON3009. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment.

This unit addresses contemporary economic issues drawn from a particular area. The focus of the unit varies from year to year. Examples include housing economics, health economics, trade practices or economies in transition. The unit shows how economic analysis is used to provide an understanding of particular markets, emphasising the institutional setting and the economic rationales for government intervention.

ECOS 3010 Monetary Economics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures per week. **Prerequisites:** one of ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901) or ECOS2002 (or ECON2002) or ECOS2902 (or ECON2902). **Prohibitions:** ECON3010. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit studies the crucial role that money plays in an economy and examines theory, policy and empirical testing. It analyses why money is used, why it differs from other goods and assets. The microfoundations of money demand and supply are developed. Theories of interest rates and the transmission mechanism are developed. The role and operation of banks in the financial intermediation process and the control and supervision of financial institutions by the Central Bank are also considered. Monetary Policy is intensively analysed.

ECOS 3011 Public Finance

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901).

Prohibitions: ECON3011. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3012 Strategic Behaviour

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** Either ECOS2001 (or ECON2001) or ECOS2901 (or ECON2901).

Prohibitions: ECON3012. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

ECOS 3020 Special Topic in Economics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** Two lectures per week. **Prerequisites:** ECOS2901 (or ECON2901) and ECOS2902 (or ECON2902) and ECMT2110 (or ECMT2010) or ECOS2904 (or ECON2904). **Prohibitions:** ECON3103. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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

ECOS 3551 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 2, Semester 1. **Prerequisites:** ECON1001 and ECON1002.

NB: 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

ECOS 3552 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 2, Semester 1. **Prerequisites:** ECON1001 and ECON1002.

NB: 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

ECOS 3553 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 1, Semester 2. **Prerequisites:** ECON1001 and ECON1002.

NB: 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

ECOS 3554 Economics Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 1, Semester 2. **Prerequisites:** ECON1001 and ECON1002.

NB: 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

ECOS 3901 Advanced Microeconomics: Theory & Policy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 1. **Classes:** Two lectures per week. **Prerequisites:** ECOS2901 (or ECON2901), ECOS2902 (or ECON2902), ECOS2903 (or ECON2903) with a Credit average or better over the three units combined. **Prohibitions:** ECON3901. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECOS3001 (or ECON3001) to ECOS 3015 (or ECON3015) inclusive.

Topics in Microeconomic Analysis (Assessment Weight 2/3): advanced developments in microeconomics. Policy Seminars (Assessment Weight 1/3): approximately 6 two hour seminars on Australian and/or international economic policy issues.

ECOS 3902 Advanced Macroeconomics: Theory & Policy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Res Ec. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** ECOS3901 (or ECON3901) and ECMT2110 (or ECMT2010) or ECOS2904 (or ECON2904). **Prohibitions:** ECON3902. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECOS3001 (or ECON3001) to ECOS 3015 (or ECON3015) inclusive.

Topics in Macroeconomic Analysis (Assessment Weight 2/3): advanced developments in macroeconomics. Policy Seminars (Assessment Weight 1/3): approximately 6 two hour seminars on Australian and/or international economic policy issues.

ECOS 4101 Economics Honours A

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Prerequisites:** The prerequisite for entry to Economics Honours is at least 24 credit points at 3000 level Economics, including Advanced Microeconomics: Theory and Policy (ECOS3901 or ECON3901) and Advanced Macroeconomics: Theory and Policy (ECOS3902 or ECON3902) with a Credit average or better in ECOS3901 and 3902; and Regression Modelling (ECMT2110 or ECMT2010).

NB: Department permission required for enrolment. 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.

ECON 4102 Economics Honours B

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Corequisites:** ECON4101.
seeECON4101

ECON 4103 Economics Honours C

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Corequisites:** ECON4102.
seeECON4101

ECON 4104 Economics Honours D

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Corequisites:** ECON4103.
seeECON4101

Finance

FINC 2011 Corporate Finance I

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Winter, Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** ECON 1001, ECON 1002; ECMT 1010, ACCT 1001 (or ACCT 1003). **Prohibitions:** FINC2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.
NB: 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.

FINC 2012 Corporate Finance II

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures, one workshop and one tutorial per week. **Prerequisites:** FINC2011 (orFINC2001). **Prohibitions:** FINC2002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

FINC 2014 Introductory Mathematical Finance

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week; Additional workshops as required. **Assumed Knowledge:** It is recommended that students reach the level of HSC 3 Unit mathematics prior to undertaking the unit. It is also recommended but not required that students either undertake the Maths/Stats major or avail themselves of units offered in mathematics and statistics. Other recommended units providing a useful background include ECOS2001, ECOS2901 and ECOS2903. **Prerequisites:** FINC2011 (or FINC2001). **Prohibitions:** FINC2004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 mathematics 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.

FINC 2192 Finance 2 Honours

3 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2. **Classes:** Weekly seminar. **Prerequisites:** Credit or higher grade in FINC 2011 (or FINC2001); competitive and by application. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.
NB: Department permission required for enrolment.

This unit introduces students to finance research with a specific focus on research in topics covered in FINC2002 Corporate Finance II. These topics include: derivative markets; stock market microstructure; and financial policy. After providing a basic understanding of the research process and the nature of research design, an overview of current trends in finance research in each of the above topic areas is undertaken. Detailed analysis of high quality research in each of these designated areas is required.

FINC 2551 Finance Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

FINC 2552 Finance Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

FINC 3011 International Financial Management

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC2011 (or FINC2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004). **Prohibitions:** FINC3001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

FINC 3012 Derivative Securities

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Assumed Knowledge:** Calculus, regression, probability theory, random distributions. **Prerequisites:** FINC2011 (or FINC2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004). **Prohibitions:** FINC3002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

FINC 3013 Mergers and Acquisitions

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week; Additional workshops as required. **Prerequisites:** FINC2011 (or FINC2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004). **Prohibitions:** FINC3003. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

Mergers and acquisitions are one of the most important activities undertaken by investment banks as they are used by businesses to secure growth. The analysis of mergers and acquisitions tools from modern financial economics is needed. This unit commences with a review of existing business valuation techniques. The unit then examines capital structure decisions and management incentive issues (corporate control) before examining the motives for mergers and acquisitions. Some acquisitions are motivated by value improvement created by correcting incentive problems. Many bad acquisitions however are motivated by bad incentives that decrease value. Corporate governance is concerned with structuring companies to maximise the value of organisation. The emphasis in this unit is a practical one by providing the wherewithal to (re)structure a business, or to provide advice on how wealth can best be created. It aims to prepare students for a career in mergers and acquisitions, as a corporate advisor in a merchant bank or as an analyst employed in broking or funds management.

FINC 3014 Trading and Dealing in Security Markets

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC2011 (or FINC2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004). **Prohibitions:** FINC3004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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. The increased worldwide emphasis on capital markets and stock exchanges have brought market micro structure into the limelight. This unit provides insights into the lessons from securities market micro structure that can be used to gain a better understanding of today's global financial markets. 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.

FINC 3015 Financial Valuation: Case Study Approach

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures per week; One workshop session (not every week). **Prerequisites:** FINC2011 (or FINC2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004). **Prohibitions:** FINC3005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit focuses on the application of financial principles and methods to develop up-to-date problem solving techniques using an applied case study approach. The unit pulls together important contributions from earlier units in the Finance major. Cases include: issues in capital budgeting and cost of capital; financial decision making; and valuation of projects and companies. In addition to lectures, the unit is based around computer lab workshops. There is a strong emphasis on working in teams to solve common problems.

FINC 3017 Investments and Portfolio Management

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC2011 (or FINC2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004). **Prohibitions:** FINC3007. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

FINC 3018 Bank Financial Management

6 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC2011 (or FINC 2001); FINC2012 (or FINC 2002) or FINC2014 (or FINC 2004); ECOS2001 (or ECON 2001) or ECOS2901 (or ECON2901); ECOS2002 (or ECON 2002) or ECOS2902 (or ECON 2902). **Prohibitions:** FINC3008. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

FINC 3193 Finance 3 Honours (Corporate Finance)

3 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1. **Classes:** A weekly workshop/seminar. **Prerequisites:** Credit or higher grade in FINC2011 (or FINC2001) and FINC2012 (or FINC2002) or FINC2014 (or FINC2004) and FINC2192 (or FINC2092) or with the permission of the Discipline of Finance. **Prohibitions:**

FINC3093. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit consists of a weekly workshop/seminar which deals with more advanced aspects of information transfers between interested parties and modelling of corporate issues such as productivity, remuneration and value. The unit draws on game theory, information economics and modern philosophical materials.

FINC 3194 Finance 3 Honours (Securities Markets)

3 credit points. B Agr Ec, B Com, B Ec, B Ec Soc Sc. **Session:** Semester 2. **Classes:** A weekly workshop/seminar. **Prerequisites:** Credit or higher grade in FINC2011 (or FINC2001) and FINC2012 (or FINC2002) or FINC2014 (or FINC2004) and FINC2192 (or FINC2092) or with the permission of the Discipline of Finance. **Prohibitions:** FINC3094. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit gives students a practical appreciation of how markets operate and how their design impacts on price discovery and trading behaviour. 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.

FINC 3551 Finance Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

FINC 3552 Finance Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

FINC 3553 Finance Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

FINC 3554 Finance Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

FINC 4101 Finance Honours A

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** FINC2192 (or FINC2092), FINC3193 (or FINC3093) and FINC3194 (or FESTC3094) with the grade of Credit or better in at least two, or with the permission of the Head of Discipline.

NB: Department permission required for enrolment. 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. Typically, semester units are offered in research methodology and computer/data/statistical skills. Other units offered may include:

- corporate finance
- securities market micro-structure
- corporate governance
- financial econometrics, and
- capital markets and information.

Actual offerings in any year depend on staff availability and demand. With approval, the equivalent of a semester unit can be taken from other disciplines or faculties. The research report is written 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.

FINC 4102 Finance Honours B

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2.
Corequisites: FINC4101.

FINC 4103 Finance Honours C

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2.
Corequisites: FINC4102.

FINC 4104 Finance Honours D

12 credit points. B Com (Hons), B Ec (Hons). **Session:** Semester 1, Semester 2.
Corequisites: FINC4103.

Government and International Relations

GOVT 1101 Australian Politics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. 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?

GOVT 1104 Power in Society

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. This unit provides an introduction to the study of politics through a focus on the key organising principle of political science: power. Different ways in which power is theorised and structured are considered, not with the intention of presenting a universal theory or theories, but rather to find some connections and extensions amongst a wide variety of experiences of political power. In particular this unit considers the way power operates in Australian society in relation to political decision making. The unit draws on case studies in order to combine the study of key political ideas and concepts with practical examples from our daily lives (e.g. diet, transport, drugs, clothing etc.).

GOVT 1105 Geopolitics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. 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.

GOVT 1202 World Politics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer /Winter School. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. 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.

GOVT 1406 International Business and Politics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per

week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit introduces students to the international business environment, particularly those forces that shape international business relations and markets: international political relations, international trade, international financial markets, and the global economic and political architecture. The unit surveys issues associated with global marketplaces, trade and investment, culture, internationalisation, the international monetary system, foreign exchange, trade agreements, markets in Asia, international investment risk, risk analysis for international business, and risk mitigation. The unit is especially concerned with international business as it relates to international business and politics in Asia.

GOVT 1881 Government Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2, Semester 1.
NB: Department permission required for enrolment.

GOVT 1882 Government Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

GOVT 2111 Human Rights and Australian Politics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT 1000 level units of study. **Prohibitions:** GOVT2101. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This unit introduces students to the notion of human rights, outlines international human rights enforcement mechanisms and the application of human rights standards in Australia. Throughout the course we consider the evolution of human rights in Australia and raise questions about the adequacy of Australia's existing human rights machinery. We examine the reasons behind recent UN criticism of Australian government policies toward the indigenous Australians, women and refugees and assess responses to this criticism. We also consider current legislative changes to combat terrorism and consider the implications of these changes on Australian's civil rights.

GOVT 2114 The Australian Political Party System

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2104. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

GOVT 2116 Australian Foreign and Defence Policy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week (May include lectures and tutorials). **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2106. **Assessment:** Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit will examine the formation, implementation and outcomes of Australia's foreign and defence policy from federation to the present. Attention is given to Australia's capacity to apply appropriate human, economic, diplomatic, intelligence and military resources in pursuit of 'the national interest'. The program will include a number of guest lecturers who are specialists in their field.

GOVT 2119 Southeast Asia: Dilemmas of Development

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT 1000 level units of study. **Prohibitions:** ECHS2303, GOVT2109. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

Until the 1997 East Asian economic/financial crisis, Southeast Asia was acclaimed as one of the most dynamic and rapidly growing regional economies in the Asia-Pacific sphere. Not surprisingly, the region has attracted enormous interest from social scientists and the wider business community in Australia. However, there is limited

consensus about the causes for the region's economic performance and socio-political trajectory during the 'boom' and 'post-boom' years. This course aims to place the region's economic experiences and socio-political changes within a broader historical and comparative context. Such an approach allows us to better appreciate the economic continuities, understand the major socio-political dilemmas and changing patterns of development.

GOVT 2221 Politics of International Economic Rels

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT 1000 level units of study. **Prohibitions:** GOVT2201. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit will provide 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 the student becomes acquainted with the theory and practice of economic development.

GOVT 2225 International Security in 21st Century

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2205. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

GOVT 2226 International Organisations

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week (May include a combination of lectures and tutorials). **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2206. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

GOVT 2228 Environmental Politics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **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:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

This unit analyses the political nature of global and local environmental problems and the connection between these and international and domestic environmental politics and policy arrangements. It focuses on the effects of epistemic communities, ecological modernisation, international regimes, sovereignty, sustainable development, the role of non government organisations, environmental policymaking frameworks, participatory environmental governance and stakeholder intervention capacity. Global and Australian environmental case studies will be discussed and related to theoretical perspectives.

GOVT 2336 Gender and Human Rights

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week (May include a combination of lectures and tutorials). **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2306. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

GOVT 2440 Globalisation and National Governance

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week (May include a combination of lectures and tutorials). **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2410. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment.

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 the interplay between domestic institutions and international pressures. There will be scope for comparing national responses to the changing global economic system.

GOVT 2444 Europe in World Affairs

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hours per week (May include a combination of lectures and tutorials). **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2404. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

This unit examines the problems of transition in European politics in three key areas: the shift towards advanced capitalist democracy in the southern Mediterranean; the steps towards transnational unity (through the EC) by northern European nations; and the slow process of economic and political reform in eastern Europe. Different theoretical approaches are used to examine these phenomena and these include perspectives that stress the role of the world economy, political institutions and social movements.

GOVT 2445 American Politics and Foreign Policy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** One two-hour lecture and one tutorial per week. **Prerequisites:** Two GOVT 1000 level units of study. **Prohibitions:** GOVT2405. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit will be a comprehensive 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 - U.S. foreign policy itself - with special emphasis on the post-Cold War period. We will seek to answer two key questions: (a) 'who rules' in America and (b) what grand strategy, if any, has replaced the Cold War containment of the Soviet Union?

GOVT 2449 Authoritarian Politics

6 credit points. B A, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 1. **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:** GOVT2409. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This course will compare different types of authoritarian regimes. Traditional authoritarian political structures will be contrasted with

what one author calls "modern authoritarianism" before looking in more detail at the latter. These include single party regimes, military regimes, police states, fuhrerist systems and corporatist structures. These will be compared principally in terms of their institutional configurations, modes of operation, legitimating ideologies and conditions making for and sustaining them. There will be a major focus on the experience of reform, contrasting the Soviet Union and China, and regime change.

GOVT 2552 Policy Analysis

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** GOVT2502. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This unit is available as a designated 'Advanced' unit to students 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.

GOVT 2557 Public Sector Management

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops). **Prerequisites:** Two GOVT 1000 level units of study (for Management major only: any four 1000 level units). **Prohibitions:** GOVT2507. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

GOVT 2558 Government, Business and Society

6 credit points. B A, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hours per week (May include one or more of the following: lectures, seminars, tutorials or workshops). **Prerequisites:** 4 junior units of study. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

Modern businesses have new roles and responsibilities within the global economy and society. Understanding the relationships between government, business and society is essential for students undertaking a contemporary business education. 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 demographic diversity of organisations. The unit will draw upon Australian and international case study material.

GOVT 2665 Ethics and Politics

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **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:** GOVT2605. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

Making ethical choices is in the core of political life. This unit is designed to analyse and understand how ethics belongs in politics, how we can evaluate and justify political choices, and to gain an understanding of the main ethical issues on a range of political questions. The unit is structured around formal ethical theory and analysis, which can be later used in different settings, from personal to professional ethical dilemmas. Learning takes place by doing - thinking and talking, presenting and evaluating. In order to learn you need to take part and be open to a challenge. The topics examined during the course include: justice, environmental ethics, human and animal rights, immigration, freedom of expression, whistle-blowing, and international aid.

GOVT 2772 Israel, Palestinians & the Arab States

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Prohibitions:** JCTC2008, HSTY2670, GOVT2702. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit examines the history and politics of the conflict between Israelis and the Palestinians, Israel and the Arab States, and the Palestinians and the Arab States. The role of religion, nationalism, inter-Arab state relations as well as non-regional players are considered. The unit will will also address current prospects for peace between Israelis and Palestinians.

GOVT 2801 Applied International Studies

6 credit points. B Int S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three hour seminar per week. **Prerequisites:** Four core junior BIntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

This unit of study is designed to build upon the core junior units of the Bachelor of International Studies and to develop a deeper level of knowledge of international politics, economics and finance, and to apply this knowledge to real-life problems in diverse policy environments. The unit is divided into two sections. The first comprises a series of weekly seminars on the political, economic and legal architecture of the international system and the practical processes of policy making in international relations. The relationship between international law and international politics and economics will be assessed, and the fields of international law that are directly relevant to the simulation topics will be introduced. The second component of the unit provides students with the opportunity to apply theory to practice by developing briefing documents and 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. It is expected that students will do this unit in their second year (though this is not mandatory).

GOVT 2802 International Studies Practicum

6 credit points. B Int S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** This unit is taught on-line. **Prerequisites:** Four core junior BIntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

This practicum unit is designed to provide students with the opportunity to combine research-led learning with hands-on experience in international studies. It is intended that students will enrol in the unit while studying abroad or engaged as an intern in a government

or non-government organisation, working on an internationally focussed project. As the unit is offered in Semester Two only, students may only go on an Exchange program in Semester Two. The unit comprises on-line modules accessed via the Faculty's Blackboard site, and a major research paper.

It is expected that students will do this unit in their third year (though this is not mandatory).

GOVT 2881 Government Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GOVT 2882 Government Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GOVT 2883 Government Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GOVT 2884 Government Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GOVT 2991 Government 2 Honours

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator. **Prohibitions:** GOVT2091. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This unit is available as a designated 'Advanced' unit to students 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.

GOVT 3558 Internship in Public Policy and Affairs

18 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2. **Prerequisites:** Consultation with Discipline's Internship Coordinator. **Prohibitions:** GOVT3508. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment. Applications in writing and enrolments limited by number of available placements. This unit is available in Semester 1 for Boston University and University of Sydney Student Exchange Agreement students only.

This unit in applied politics provides senior students with an opportunity to complete a research project whilst undergoing a professional placement with a government or non-government organisation, for example Parliament of NSW, Premier's Department, Research Institute for Asia and the Pacific, Community Aid Abroad. The unit includes preparatory coursework in policy-making processes and reflective, professional practice, followed by a placement with an organisational partner on a full-time basis (four days per week for ten weeks) and the completion of a research project on behalf of the partner. Supervision by the organisational partner will take place. Successful completion of the unit of study is dependent on the fulfilment of a contract that will be jointly negotiated between the internship director, supervisory partner and the student. This unit is equivalent to three senior units, i.e. 18 credit points.

GOVT 3993 Government 3 Honours Part A

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1. **Prerequisites:** Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Chair of Discipline.

Prohibitions: GOVT3991. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This unit is available as a designated 'Advanced' unit to students 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.

GOVT 3994 Government 3 Honours Part B

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2. **Prerequisites:** Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Chair of Discipline.

Prohibitions: GOVT3992. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This unit is available as a designated 'Advanced' unit to students 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 engage their honours dissertation and plan fruitful lines of inquiry.

GOVT 4101 Government Honours A

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT 3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

NB: Department permission required for enrolment.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4102 Government Honours B

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4103 Government Honours C

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4104 Government Honours D

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

International Business

IBUS 2101 International Business Strategy

6 credit points. B Com, B Ec, B Ec Soc Sc, B Soc Sci, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one 1 hour workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business. **Prohibitions:** IBUS2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

IBUS 2102 Cross-Cultural Management

6 credit points. B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one 1 hour workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business.

Prohibitions: IBUS2002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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 creatively 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.

IBUS 2551 International Business Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

IBUS 2552 International Business Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

IBUS 3101 International Business Alliances

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one 1 hr workshop per week. **Corequisites:** IBUS2101 or IBUS2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

IBUS 3102 International Risk Management

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one 1 hr workshop per week. **Prerequisites:** 36 credit points in junior units of study. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

IBUS 3551 International Business Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

IBUS 3552 International Business Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

IBUS 3553 International Business Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

IBUS 3554 International Business Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

Marketing

MKTG 1001 Marketing Principles

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program, UG Summer/Winter School. **TBA. Session:** Semester 1, Semester 2. **Classes:** One lecture and one tutorial per week. **Prohibitions:** MKTG2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 1002 Marketing Research 1

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Iain Black. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 (or MKTG2001). **Prohibitions:** MKTG2003. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 1551 Marketing Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

MKTG 1552 Marketing Exchange

6 credit points. B Com, B Ec, B Ec Soc Sc. **Session:** Semester 1, Semester 2. **NB:** Department permission required for enrolment.

MKTG 2010 Marketing Channels and Logistics

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. **TBA. Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 2112 Consumer Behaviour

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Paul Henry. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 (or MKTG2001). **Prohibitions:** MKTG2002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 2551 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

MKTG 2552 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

MKTG 3110 Electronic Marketing

6 credit points. B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Jeffrey Lim. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). **Prohibitions:** MKTG3010. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit explores how new technologies can be embraced effectively for marketing purposes. The unit builds upon the principles and concepts of traditional marketing studied in MKTG 1001 Marketing Principles. It focuses on the applicability of those concepts in the electronic environment, namely the Internet. It aims to show how the Internet, as a new and evolving medium with its innovative interface, can play a role in marketing in important areas such as segmentation and targeting, consumer behaviour, market research, and the marketing mix. It also aims to show why companies do or do not embrace this new technology and their implications for those decisions.

MKTG 3111 Marketing Research II

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Steven Lu. **Session:** Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). In addition either ECMT1010 (or one of ECMT1011, ECMT1012, ECMT1013 and one of ECMT1021, ECMT1022, ECMT1023). **Prohibitions:** MKTG3001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. It is paramount for marketers today to be able to drive the research process and utilise the information efficiently. This unit aims to equip students with the necessary research and analytical skills to help organisations implement sound marketing decisions, tactics, and strategies. Students undertaking this unit are provided with the opportunity to get hands-on experience with a variety of quantitative tools. The impact or influence of new technologies (e.g. the Internet) on the market research industry is also a focus. Research practitioners need to embrace these developments to keep up with the ever-changing structure of today's society.

MKTG 3112 Marketing Communications

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Michael Allen. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). **Prohibitions:** MKTG3002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit offers an introduction to and overview of current theory and practice of marketing communications. It includes aspects of advertising in the main media (television, radio, print, outdoor, cinema), sales promotion, personal selling and new media, such as the Internet. The unit provides students with a sound theoretical/con-

ceptual foundation as well as the strategic/practical perspectives of integrated marketing communications planning and implementation.

MKTG 3114 New Products Marketing

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. TBA. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). **Prohibitions:** MKTG3004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 3116 International Marketing

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Iain Black. **Session:** Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). **Prohibitions:** MKTG3006. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final 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.

MKTG 3117 Services Marketing

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. Iain Black. **Session:** Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 (or MKTG2001). **Prohibitions:** MKTG3007. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 3118 Marketing Strategy and Planning

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. Chris Styles. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 (or MKTG2001), MKTG1002 (or MKTG2003), and MKTG2112 (or MKTG2002). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

MKTG 3119 Public Relations Management

6 credit points. B A, B Com, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. Rohan Miller. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). **Assessment:** May include one or more of the following: 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.

MKTG 3120 Building and Managing Brands

6 credit points. B A, B Com, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. Peter McDonald. **Session:** Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG 1001 (or MKTG2001). **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

MKTG 3121 Advertising: Creative Principles

6 credit points. B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program. Paul Priday. **Session:** Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or 2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

MKTG 3551 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MKTG 3552 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MKTG 3553 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MKTG 3554 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MKTG 3555 Marketing Exchange

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

MKTG 4101 Marketing Honours A

12 credit points. B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons). Iain Black/Steven Lu. **Session:** Semester 1, Semester 2. **Classes:** To be advised. **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Assessment:** Coursework and research.
NB: 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.

MKTG 4102 Marketing Honours B

12 credit points. B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons). Iain Black/Steven Lu. **Session:** Semester 1, Semester 2. **Classes:** To be advised. **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.

MKTG 4103 Marketing Honours C

12 credit points. B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons). Iain Black/Steven Lu. **Session:** Semester 1, Semester 2. **Classes:** To be advised. **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.

MKTG 4104 Marketing Honours D

12 credit points. B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons). Iain Black/Steven Lu. **Session:** Semester 1, Semester 2. **Classes:** To be advised. **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.

Political Economy

ECOP 1001 Economics as a Social Science

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; 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.

ECOP 1002 Economy and Policy

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Tutorial assignments; Tutorial participation; Essay; Final exam.

How are national economies changing in response to changes in the global economy? Who is benefiting and who is being disadvantaged? What role does government policy play, and what policy options are there? This unit of study addresses these questions in the context of the Australian economy. It introduces students to Keynesian and institutionalist approaches to economics to explore how government policy addresses issues such as industrial change, international trade and investment, employment, social welfare and income distribution. It gives students a 'hands on' approach to understanding the connections between current economic events and economic theory.

ECOP 1003 International Economy and Finance

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 2. **Assessment:** Exams; in-class tests; discussion papers.

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, and debates about, the regulation of economic activity on a global scale, addressing the development and changing roles of international agencies (World Bank, International Monetary Fund, World Trade Organisation), and evaluates their capacity to generate global equity and economic stability.

ECOP 1551 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECOP 1552 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOP 2011 Economic Foundation of Modern Capitalism

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECOP 1001 and either ECOP 1002 or ECOP 1003. **Prohibitions:** ECOP2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study;

Group/individual project; Presentation; Assignment; Report; Essay; Final examination. 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.

ECOP 2012 Social Foundations of Modern Capitalism

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECOP1001 and either ECOP1002 or ECOP1003. **Prohibitions:** ECOP2002. **Assessment:** Essay; Tutorial presentation/participation; Final exam.

Economic activity is 'embedded' within a broader social structure. So it is necessary to understand the institutional and social 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.

ECOP 2550 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOP 2551 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOP 2552 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOP 2911 Political Economy Honours II (Part A)

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1. **Prerequisites:** Credit average in ECOP1001 and ECOP1002. **Corequisites:** ECOP2011 or ECOP2012. **Prohibitions:** ECOP2901. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment.
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.

ECOP 3012 Global Political Economy

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECOP 1001 and either ECOP 1002 or ECOP1003. **Prohibitions:** ECOP3002. **Assessment:** May include one or more of the

following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final 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 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: the formation of the international monetary system after 1945 and the crisis of world monetary system 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.

ECOP 3014 International Development and Trade

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECOP 1001 and either ECOP 1002 or ECOP1003. **Prohibitions:** ECOP3004. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study;

Group/individual project; Presentation; Assignment; Report; Essay; Final 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.

ECOP 3015 Political Economy of the Environment

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECOP1001 and either ECOP 1002 or ECOP 1003. **Prohibitions:** ECOP3005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study;

Group/individual project; Presentation; Assignment; Report; Essay; Final 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.

ECOP 3017 Political Economy of Human Rights

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Ed (Sec), B Ec (Soc Sc), UG Study Abroad Program. **Session:** Semester 1. **Prerequisites:** ECOP1001 and either ECOP1002 or ECOP1003. **Prohibitions:** ECOP3007. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final 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.

ECOP 3019 Finance: Volatility and Regulation

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Ed (Sec), B Ec (Soc Sc), UG Study Abroad Program. **Session:** Semester 2. **Prerequisites:** ECOP 1001 and either ECOP1002 or ECOP1003. **Prohibitions:** ECOP3009. **Assessment:** Essay; Group project; Final exam.

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.

ECOP 3551 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

ECOP 3552 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ECOP 3553 Political Economy Exchange

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ECOP 3911 Political Economy Honours III (Part A)

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1.
Prerequisites: Credit average in 4 intermediate or senior ECOP units including ECOP2911 (or ECOP2901 and ECOP2902). **Prohibitions:** ECOP3901. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

This is one of two units of study which prepare students for commencing the final honours year. It looks at the different ways in which research in political economy may be done. It compares the methodologies of the principal schools of economic thought, concentrating on aspects which distinguish neoclassical and non-neoclassical approaches to the study of economic issues. This is an important step towards the design of useful research in political economy.

ECOP 3912 Political Economy Honours III (Part B)

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2.
Prerequisites: Credit average in 4 intermediate or senior ECOP units including ECOP2911 (or ECOP2901 and ECOP2902). **Prohibitions:** ECOP3902. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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

This is the second unit of study to be taken by students preparing for their final honours year. It emphasises the skills needed for research and dissertation writing. Topics include research materials, bibliographical access, computer software usage, and alternative sources of information for research in political economy. The unit also provides opportunities for discussion of honours dissertation proposals.

ECOP 4001 Political Economy Honours A

12 credit points. B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2911 (or ECOP2901 and ECOP2902), ECOP3911 (or ECOP3901), ECOP3912 (or ECOP3902), ECOP2011 (or ECOP2001), ECOP2012 (or ECOP 2002) plus two other senior level ECOP units. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.

NB: Department permission required for enrolment.

All students are required to undertake a 20,000 word dissertation and coursework during their final honours year. The dissertation is on a topic of each student's own choice, subject to staff approval: the dissertation proposal is normally developed during the preceding year of studies in Political Economy honours. The coursework requirement is two semester-length units. The units include selections from the following: Patterns of Capital Accumulation; State and Economy in East Asia; Theories of Social Formations; Industry Restructuring Policy; and Issues in Political Economy. Only some of these units are available in any year. Students may choose one semester-length unit from among those on offer in other programs in the BEc(SocSc) and Bachelor of Economic and Social Sciences degrees, subject to the agreement of the relevant discipline and the Director of the Political Economy honours program.

ECOP 4002 Political Economy Honours B

12 credit points. B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 2, Semester 1. **Prerequisites:** ECOP2011 (or ECOP2001) & ECOP2012 (or ECOP2002), ECOP2911 (or ECOP 2901 & 2902), ECOP3911 (or ECOP 3901) & ECOP3912 (or ECOP3902), two other senior ECOP units. **Corequisites:** ECOP4001.

ECOP 4003 Political Economy Honours C

12 credit points. B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2911 (or ECOP2901 and ECOP2902), ECOP3911 (or ECOP3901), ECOP3912 (or ECOP3902), ECOP2011 (or ECOP2001), ECOP2012 (or ECOP 2002) plus two other senior level ECOP units. **Corequisites:** ECOP4002.

ECOP 4004 Political Economy Honours D

12 credit points. B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2911 (or ECOP2901 or ECOP2902), ECOP3911 (or ECOP3901), ECOP3912 (or ECOP3902), ECOP2011 (or ECOP2001), ECOP2012 (or ECOP 2002) plus two other senior level ECOP units. **Corequisites:** ECOP4003.

Work and Organisational Studies

WORK 1003 Foundations of Work and Employment

6 credit points. B A, B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** Two lectures and one seminar per week. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

WORK 1551 Industrial Relations & HRM Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

WORK 2201 Foundations of Management

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 24 credit points of junior units of study. **Prohibitions:** IREL2001; WORK2001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

WORK 2203 Industrial Relations Policy

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two hours of lectures and one seminar per week. **Prerequisites:** 24 credit points of junior units of study including WORK1003 or WORK1001 (or IREL1001). **Prohibitions:** IREL2003; WORK2003. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

WORK 2205 Human Resource Processes

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two Lectures and one seminar per week. **Prerequisites:** 24 credit points of junior units of study including WORK 1003 (or WORK1002 or IREL1002). **Prohibitions:** IREL2005; WORK2005. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

Building on the foundation Human Resource Management (HRM) issues and concepts provided in WORK1002, this unit provides an advanced coverage of a select range of human resource management processes and practices. The processes and practices that may be selected for detailed consideration include: human resource recruitment and selection; training and development; career planning and development; performance management and motivation; reward and remuneration management; managing workforce diversity; managing commitment, culture and change; international human resource management; and HRM system evaluation. Students are advised to consult the Work and Organisational Studies Discipline beforehand

regarding the specific mix of practices to be covered in any given session.

WORK 2207 Labour Law

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Lectures and seminar. **Prerequisites:** 48 credit points including WORK1003 (or WORK1001 or IREL1001). **Prohibitions:** IREL2007; WORK2007. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

WORK 2208 Work Safety

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Lectures and seminar. **Prerequisites:** 48 credit points including WORK1003 (OR WORK1001 or IREL1001). **Prohibitions:** IREL2008; WORK2008. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

This unit examines the industrial relations implications of occupational health and safety issues. The unit is taught so as to emphasise the interdisciplinary nature of an appropriate study of occupational health and safety by drawing on a number of areas. Particular emphasis is given to industrial law and labour history with sociological and economic explanations for the persistence of occupational health and safety problems being examined. This is achieved by taking a number of occupational issues and discussing the physiology of the problems and placing them in an appropriate social and economic context. The unifying theme in the unit is how occupational health and safety has been regulated and controlled by government, union and employer groups. To this end the role of the state over the past 150 years, especially in its attempts to deal with the prevention and compensation for injuries and illness at work, is examined in some detail.

WORK 2209 Organisational Analysis and Behaviour

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 48 credit points. **Prohibitions:** IREL2009; WORK2009. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

WORK 2210 Strategic Management

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 48 credit points. **Prohibitions:** IREL2010; WORK2010. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

WORK 2211 Human Resource Strategies

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 48 credit points including WORK1003 (or WORK1002 or IREL1002). **Prohibitions:** IREL2011; WORK2011. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

WORK 2215 IR and HRM Practice

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Intensive mode during mid year break and in semester 2. **Prerequisites:** WORK 1003 (OR WORK 1001 AND WORK1002) plus 12 senior credit points in WOS units of study. **Prohibitions:** IREL2015; WORK2015. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment.

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.

WORK 2217 International Human Resource Management

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 48 credit points including either WORK1003 (OR WORK1001 or IREL1001) or IBUS2101 (or IBUS2001). **Prohibitions:** WORK2017. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

WORK 2218 People and Organisations

6 credit points. B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 24 credit points of junior units of study. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

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.

WORK 2219 Management and Organisational Ethics

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 48 credit points. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

Ethical issues are occupying an increasingly prominent place in work, organisation and management studies. This unit of study fo-

cuses 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.

WORK 2221 Organisational Communication

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 48 credit points. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. 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.

WORK 2551 Work & Organisational Studies Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WORK 2552 Work & Organisational Studies Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WORK 2553 Work & Organisational Studies Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WORK 2554 Work & Organisational Studies Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WORK 2555 Work & Organisational Studies Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WORK 2556 Work & Organisational Studies Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WORK 3921 Theories of Work and Organisations

6 credit points. B A, B Agr Ec, B Com, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three hours per week. **Prerequisites:** WORK 1003 OR ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)) and enrolled in IR/HRM or Mgmt major with minimum grade credit in all WORK units. **Corequisites:** Enrolment in either an IR&HRM major or Management major. **Prohibitions:** IREL3901; WORK3901. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: 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.

WORK 3922 Researching Work and Organisations

6 credit points. B A, B Agr Ec, B Com, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hours per week. **Prerequisites:** WORK3921 (or IREL3901 or IREL2901 and IREL2902) and enrolled in IR/HRM or Management major with minimum grade credit in all WORK units. Students must have completed 48 senior credit points of study. **Prohibitions:** IREL3902; WORK3902. **Assessment:** May include one or more of the following: Mid-

semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: Department permission required for enrolment. Enrolment in either an IR&HRM major or Management major

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 students anticipated dissertation topic and the preparation of a viable research proposal.

WORK 4101 Industrial Relations & HRM Honours A

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** 36 credit points of senior level WORK units of study plus 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.

NB: 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.

WORK 4102 Industrial Relations & HRM Honours B

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** WORK4101. **Prohibitions:** IREL4102.

WORK 4103 Industrial Relations & HRM Honours C

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** WORK4102. **Prohibitions:** IREL4103.

WORK 4104 Industrial Relations & HRM Honours D

12 credit points. B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons). **Session:** Semester 1, Semester 2. **Corequisites:** WORK4103. **Prohibitions:** IREL4104.

Faculty

ECOF 1001 Communication and Critical Analysis 1A

6 credit points. B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two hour seminar per week. **Prohibitions:** ECOF1002. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This unit is meant for native speakers of English.

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.

ECOF 1002 Communication and Critical Analysis IB

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** two hour seminar and a one hour tutorial per week. **Prohibitions:** ECOF1001. **Assessment:** May include one or more of the following: Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination.

NB: This unit is meant for students from a non-English speaking background.

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.

ECOF 1551 General Exchange

6 credit points. B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOF 2551 Economics/Commerce Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOF 2552 Economics/Commerce Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOF 3551 Economics/Commerce Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

ECOF 3552 Economics/Commerce Exchange

6 credit points. B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc. **Session:** Semester 2, Semester 1.

NB: Department permission required for enrolment.

7. Science units of study

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

The units of study in this section are generally organised alphabetically by School or Department, except for those listed below. EMHU and HSTO can be found under the Anatomy and Histology entry.

COMP, INFO, ISYS, NETS, MULT and SOFT can be found under the Information Technologies entry.

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.

NEUR can be found under the Physiology entry.

Aerospace, Mechanical and Mechatronic Engineering

The School of Aerospace, Mechanical and Mechatronic Engineering is part of the Faculty of Engineering. In addition to providing professional training in aerospace, mechanical 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 Faculty Building.

Agricultural Chemistry and Soil Science

Agricultural Chemistry

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. Emphasis is placed on the chemistry of molecules of biological, agricultural and environmental significance both naturally occurring (eg. in foods and natural fibres), and chemically synthesised (eg. insecticides and herbicides). The biochemistry is planned around the relationship between living organisms and their environment and includes sections on the metabolism of inorganic and synthetic materials by animals, plants and micro-organisms.

The units of study available are: AGCH2003, Introductory Rural Environmental Chemistry (6 credit points Intermediate); AGCH3025 and AGCH3026, Chemistry and Biochemistry of Foods A and B respectively (6 credit points Senior each); AGCH3030 and AGCH3031, Rural Environmental Chemistry A and B respectively (6 credit points Senior each); AGCH3024, Chemistry and Biochemistry of Foods (6 credit points Senior); and Agricultural Chemistry Honours.

AGCH 2003 Rural Environmental Chemistry (Intro)

6 credit points. B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc Agr. UG Study Abroad Program. Dr Robert Caldwell. **Session:** Semester 1. **Classes:** 3 lec/week and 33 hours of lab/semester. **Prerequisites:** 12 credit points of Junior Chemistry. **Prohibitions:** AGCH2001, AGCH2002, CHEM2404. **Assessment:** One 2 hr exam, prac & quizzes.

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.

Eleven 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 analyse natural water samples using the skills acquired in earlier laboratory and write an environmental assessment from their findings. The introductory laboratory session for the unit will include a tutorial on safety procedures in a chemistry laboratory.

AGCH 3024 Chemistry and Biochemistry of Foods

6 credit points. B Res Ec, B Sc, B Sc (Environmental), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Robert Caldwell. **Session:** Semester 1. **Classes:** 3 lec/wk and 8 x 3 hr pracs. **Prerequisites:** 12 credit points of Intermediate units from Molecular Biology and Genetics, Biochemistry or Chemistry. **Prohibitions:** AGCH (3016 or 3017 or 3025). **Assessment:** One 2hr exam (50%), assignments (20%), laboratory (30%).

NB: Department permission required for enrolment.

This unit of study aims to give students an understanding of the constituents of foods and fibres. The lecture topics cover: the chemistry, biochemistry and processing behaviour of major food constituents - oligosaccharides, polysaccharides, lipids and proteins; the relationship between molecular structure of constituents and their functionality in foods; natural fibres and gel-forming biopolymers - uses in foods, importance in dietary fibre and commercial products; enzymes in foods and food processing; wheat flour dough and protein chemistry during baking and cooking; flavour chemistry and the chemistry and biochemistry of anti-nutritional and toxic constituents of plants and foods.

The practical exercises in this unit of study will focus on the characterisation of food hydrocolloids in terms of particle size distribution, molecular weight distribution, and molecular structure. Students should emerge with a good understanding of the fundamental basis of hydrocolloid characterisation, some familiarity with a broad range of commonly used techniques, and good skills in assessment and processing of experimental data.

AGCH 3025 Chemistry and Biochemistry of Foods A

6 credit points. B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Dr Robert Caldwell. **Session:** Semester 1. **Classes:** 3 lec/wk, 8 x 3 hr prac per semester. **Prerequisites:** 6 credit points of Intermediate units in Agricultural Chemistry, Chemistry or Biochemistry. **Prohibitions:** May not be counted with AGCH (3017, 3024). **Assessment:** One 2 hr theory exam, one 1 hr theory of prac exam, assignment and prac reports.

This unit of study aims to give students an understanding of the constituents of foods and fibres. The lecture topics cover:

- the chemistry, biochemistry and processing behaviour of major food constituents - oligosaccharides, polysaccharides, lipids and proteins;
- the relationship between molecular structure of constituents and their functionality in foods;
- natural fibres and gel-forming biopolymers - uses in foods, importance in dietary fibre and commercial products;
- enzymes in foods and food processing;
- wheat flour dough and protein chemistry during baking and cooking;
- anti-nutritional and toxic constituents of plants and foods; and
- flavour chemistry

The laboratory exercises aim to give students an understanding of the methods used in the analysis of foods and other biological materials, and will include:

- analysis of carbohydrates including starch and dietary fibre;

- spectroscopic, enzymic, and chromatographic methods.

AGCH 3026 Chemistry and Biochemistry of Foods B

6 credit points. B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Dr Robert Caldwell. **Session:** Semester 1. **Classes:** 2 hr lec/seminar/workshop/wk; 24 hrs of prac/semester; site visits. **Prerequisites:** 6 credit points of Intermediate Chemistry, Biochemistry or Agricultural Chemistry. **Corequisites:** AGCH 3025. **Prohibitions:** AGCH3003, AGCH3005. **Assessment:** Five written assignments, one 1 hr theory of prac exam, prac reports and poster presentation.

This unit of study aims to give students an understanding of global food systems and global food security. In the lecture/seminar/workshop component, topics covered will include the sustainable production of major food crops; the role of genetically modified crops in food sustainability and quality; principles and methods in food quality control and assessment; chemical and biochemical aspects of food quality in relation to food processing and nutritional values. The laboratory exercises aim to give students an understanding of the methods used in the analysis of foods and other biological materials, and will include:

- analysis and examination of protein functionality in foods;
- spectroscopic, enzymic, and chromatographic methods.

AGCH 3030 Rural Environmental Chemistry A

6 credit points. B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program. Prof Ivan Kennedy (Coordinator). **Session:** Semester 1. **Classes:** 6 day field trip in orientation week, 21 hr lee & 25 hr prac. **Prerequisites:** 6 credit points of either Intermediate Agricultural Chemistry, Chemistry, Biochemistry, Plant Science or Environmental Science. **Prohibitions:** AGCH3020, AGCH3021, AGCH3022. **Assessment:** One 2 hr exam, field trip and laboratory reports.

This unit commences with a field trip to the Namoi and the Macquarie Valleys, where agriculture largely based on irrigation has been developed. Environmental impacts on vegetation, soil and water of agricultural enterprises such as cotton farming and human settlement will be assessed in a professional field trip report. Field observations on pH, nutrient and salt content, pesticide, and microbial content will be made on water, sediment, soils and in constructed wetlands, with samples returned for more detailed laboratory analysis at the University. Lectures will complement the field trip, including environmental chemistry of heavy metals, their effects on organisms; mechanisms of tolerance and phytoremediation; risk assessment of pesticides including herbicides, their mode of action and environmental fate; analysis and monitoring of pesticide residues by GC, GC-MS and immunoassay (ELISA); maximum residue limits (MRLS) and residue surveys; remediation of pesticides in ecosystems; design of new pesticides and means of pest control. Laboratory sessions will be related to these lecture topics, including 6-7 sessions on atomic absorption analysis for nutrients and heavy metals, mercury analysis, pesticide analysis by GLC, HPLC, MS and ELISA.

AGCH 3031 Rural Environmental Chemistry B

6 credit points. B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program. Prof Ivan Kennedy (Coordinator). **Session:** Semester 2. **Classes:** 5-day field trip in AVCC common break; 21 hr lee and 30 hr prac and project/semester. **Prerequisites:** 6 credit points of either Intermediate Agricultural Chemistry, Chemistry, Biochemistry, Plant Science or Environmental Science. **Prohibitions:** AGCH3020, AGCH3021, AGCH3022. **Assessment:** One 2 hr exam, field-trip report and laboratory reports.

This field-oriented course will (i) provide understanding of chemical and biochemical processes in rural ecosystems and their sustainability, with particular reference to global warming, (ii) include a field trip and professional report to illustrate relevant case studies at several centres in eastern Australia (Canberra, Snowy Mountains, Murray and Murrumbidgee catchments) specialising in research related to global warming, acidification and water quality including salinisation (iii) conduct laboratory sessions and group research project to study a problem in a professional setting. Practical solutions will be sought by students, based on a field theory of action in ecosystems. Lectures will cover the environmental carbon, nitrogen and sulphur cycles, including bioenergetics of autotrophic and heterotrophic action; photosynthesis; nitrification and denitrification; biological nitrogen fixation; sulphur metabolism; production of greenhouse gases; pH balancing and efficient nutrient uptake; acidification of ecosystems and effects on plants and animals; remediation and control of greenhouse emissions; bioremediation of acidification and salinisation. The laboratory sessions and the group project will illustrate these environmental processes, including greenhouse gas production, methane and NO_x, photosynthesis and nitrogen fixation, and monitoring of endocrine-disrupting compounds including pesticides using GLC, HPLC and ELISA.

Agricultural Chemistry Honours

The fourth year unit of study 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 unit of study are obtained. The unit of study consists of a research project (with submission of a dissertation), two essays, an oral presentation and attendance at specialist lectures and seminars in agricultural, biological and environmental chemistry. The essays and oral presentation are selected from a list of topics in basic and applied biological and environmental chemistry, and food science. 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 in legumes and associated with wheat, insect metabolism, the biochemistry and environmental chemistry of pesticides and herbicides, acidification of ecosystems including the mechanism of aluminium phytotoxicity, residue analysis in foods and other aspects of food science, 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.

SOIL 2003 Soil Properties and Processes

6 credit points. B Agr Ec, B An Vet Bio Sc, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program. Dr Cattle, Prof McBratney, Dr Singh. **Session:** Semester 1. **Classes:** (3 lee & 3hr prac)/wk. **Assessment:** One 3hr theory exam, one 1hr prac exam, quizzes and prac book.

This unit of study is concerned with the fundamental properties of soil, the factors of soil formation, and the processes that operate in the soil system. The components of the unit of study are: pedology; soil physics and soil chemistry. These components are synthesised by reference to common soil profiles. The study of soil in the field starts with field description and assessment of essential characteristics. The physics of water and gas movement, temperature, density, swelling and strength are considered. Soil chemistry includes properties of organic matter, cation exchange capacity, nitrogen, phosphorus, potassium and acidity. Common soil types of N.S.W. are

Reference books N.C. Brady The Nature and Properties of Soils 10th edn (Macmillan, 1990) K.O. Campbell and J.W. Bowyer (eds) The Scientific Basis of Modern Agriculture (Sydney U.P., 1988) D.L. Rowell, Soil Science: Methods and Applications (Longman, 1994) R.E. White Introduction to the Principles and Practice of Soil Science 3rd edn (Blackwells Scientific, 1997) A. Wild (ed.) Russell's Soil Conditions and Plant Growth 11th edn (Wiley, 1988)

SOIL 2004 The Soil Resource

6 credit points. B Sc, B Sc (Environmental), UG Study Abroad Program. Dr Balwant Singh (Coordinator), Professor Alex McBratney, Dr Stephen Cattle. **Session:** Semester 2. **Classes:** (2 lec, 2 hr prac)/wk. **Prerequisites:** GEOL1001 or GEOL1002/1902 or ENV1002 or GEOG1001. **Assessment:** Fieldtrip participation (5%), Soil mapping report (25%), Laboratory report (15%), Examination (55%).

The unit of study is designed to provide a detailed knowledge of the important features and problems of Australian soils. By the end of this unit of study, students will develop skills in describing and interpreting soil profile features in the field. They will become familiar with quantitative soil data handling procedures and be able to do quantitative soil mapping; and measure common soil properties in the laboratory. They will also learn to work in a team environment and write a report on soil mapping and laboratory analysis.

The lecture topics include- Features, geography and management of Australian soils; Digital soil mapping - concepts and spatial prediction of soil classes; Soil quality, soil health and soil function - physical, biological and chemical indicators of soil sustainability; Soil structure: The elements of soil structure and methods of their assessment; The degradation and amelioration of soil structure and its effect on agriculture; Soil water erosion - detachment, entrapment, runoff and deposition; Soil acidification: effects of soil acidity in soils, forms of soil acidity, sources of soil acidity, buffering mechanisms in soils, soil pH and Al availability, extent of soil

acidity in Australia and remediation of soil acidity; Soil salinity: causes, sources of salts, nature of soil salinity, salinity parameters in soil and water, effects of salinity on plant growth, management of soil salinity; Soil contamination: concepts/definitions, sources of contaminants, effects of contaminants, major contaminants in soil, remediation of contaminated soils.; soil carbon accounting.

Textbooks

A laboratory manual will be made available to the students.
Brady NC & Weil RR, *The Nature and Properties of Soils*. 13th ed. (or any later edition) Prentice Hall, New Jersey, 2002
Isbell RF McDonald WS & Ashton LJ, *Concepts and Rationale of the Australian Soil Classification*. Australian Collaborative Land Evaluation Program, CSIRO Publishing, Canberra, 1997
White RE, *Principles and Practice of Soil Science: the Soil as a Natural Resource*. 3rd ed., Blackwell Science, Oxford, 1997
McKenzie N, Jacquier D, Isbell R & Brown K, *Australian Soils and Landscapes: An Illustrated Compendium*. CSIRO publishing, Melbourne, 2004
A more comprehensive reading list will be provided in the laboratory manual.

SOIL 3005 Field and Laboratory Soil Physics

6 credit points. B Anim Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program. Professor Alex McBratney. **Session:** Semester 1. **Classes:** (2lec/2hr prac)/wk, 5 days in the field (prior to beginning of February semester). **Prerequisites:** SOIL 2004. **Assessment:** One 2hr exam, field report in form of webpage, lab report, presentation.

NB: Department permission required for enrolment.

The soil science specialisation trains people for careers in professional soil science and extension. It provides an excellent background for entry into all aspects of soil science research ranging from physics through mineralogy and chemistry to pedology. Increasing emphasis is being given to aspects of soil sustainability and environmental soil science in order that graduates can meet the growing national demands in this area.

The emphasis is to examine the quantitative aspects of soil physics particularly in relation to the transfer of energy, gas, water, solids and solutes in soil. Lecture and lab topics include heat flow, gas movement, soil water energetics, saturated and unsaturated flow of soil water, infiltration, solute movement, water and wind erosion as well as the electrical properties of soil and fundamentals of numerical computer modelling of soil physical processes.

Five days' field-work, in the week prior to the beginning of February Semester, involves field measurement of soil physical properties such as shear and compressive strength, electrical conductivity, temperature, evaporation, hydraulic conductivity and infiltration rates and moisture content.

Textbooks

Reference books:
Hillel D. *Environmental Soil Physics: Fundamentals, Applications, and Environmental Considerations*. Academic Press, 1998
Jury WA & Horton R. *Soil Physics*. John Wiley, 2004
Warrick AW. *Soil Water Dynamics*. Oxford, 2003

SOIL 3006 Field and Laboratory Pedology

6 credit points. B Anim Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program. Dr Stephen Cattle. **Session:** Semester 1. **Classes:** (2 lec/2hr prac)/wk, 5 days in the field (prior to beginning of February semester). **Prerequisites:** SOIL 2004. **Assessment:** One 3hr exam, field report, lab report, presentation.

NB: Department permission required for enrolment.

The soil science specialisation trains people for careers in professional soil science and extension. It provides an excellent background for entry into all aspects of soil science research ranging from physics through mineralogy and chemistry to pedology. Increasing emphasis is being given to aspects of soil sustainability and environmental soil science in order that graduates can meet the growing national demands in this area.

The main part of this unit of study is the pedological characterization of a number of contrasting soil profiles sampled during the pre-semester field trip. This 5 day field-trip begins 10 days before the beginning of the February semester and involves the study and sampling of soil through central and northern NSW. Students become acquainted with soil types in a variety of landscape, geologic, climatic and landuse settings and develop an understanding of the importance of different soil parent materials. Linkages are made between soil formation processes and resultant soil properties, and the role of soil in various environmental and agricultural ecosystems. Field skills acquired during this trip include a proficiency in soil profile description and an ability to classify soil type according to the Australian Soil Classification scheme. Laboratory analyses of soil samples collected during the field trip include particle-size analysis and extraction of fine-sand fraction for optical identification and quantification of the mineral species present. X-Ray diffraction is used to identify the clay minerals and elucidate mineralogical transformations in these samples. Scanning electron microscopy is also used to examine surface features and mineral composition. Thin sections of some typical NSW soil types are examined and the main features are identified and quantified. The data from these micromorpholo-

gical investigations are used to provide an understanding of the pedogenesis of soil profiles in specific locations. The lecture series for this unit of study focuses on the main soil-forming (pedogenetic) processes operating both in Australia and abroad. Rock and soil mineral transformations and mechanisms for soil horizon development are addressed. Case studies and recent pedological research publications are used to highlight these topics. A detailed study, including exercises, is also made of two main international soil classification schemes, Soil Taxonomy and the World Reference Base for Soil Resources (WRB), and the Australian Soil Classification system.

Textbooks

Reference books:
Buol S, Walker M, Southard R. *Soil Genesis and Classification*. Iowa State University, 2003
Isbell R. *The Australian Soil Classification*. CSIRO, 1996
Jenny H. *Factors of Soil Formation: A System of Quantitative Pedology*. Dover, 1994
McKenzie N, Jacquier D, Isbell R & Brown K. *Australian Soils and Landscapes*. CSIRO, 2004
Van Breeman, N & Buurman, P. *Soil Formation*. 2nd Edition. Kluwer Academic, 2002
Young A & Young R. *Soils in the Australian Landscape*. Oxford University Press, 2001

SOIL 3007 Environmental Soil Chemistry

6 credit points. B Anim Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program. Dr Balwant Singh. **Session:** Semester 2. **Classes:** (2 lec, 3hr prac)/wk (wksl-13). **Prerequisites:** SOIL 2004. **Assessment:** One 3hr exam, 4 lab reports and one oral presentation on a given topic.

NB: Department permission required for enrolment.

The main objective of the unit is to develop an understanding of the common chemical properties and processes in soil environment. By the end of this unit of study, students will become familiar with soil chemical composition and develop skills in describing chemical processes in soil environment. They will be able to measure various chemical properties of soil and soil solution in the laboratory; and perform chemical speciation of ions in soil solution. Students will also learn to work in a team environment and develop communication and writing skills.

Syllabus summary: The lecture topics include- the structure and chemistry of inorganic components in soil, surface charge of soil minerals, chemistry and general properties of soil organic matter, important functional groups of soil organic matter, role of organic matter in soil, cation exchange in soil, selectivity of cations on soil colloids, cation exchange reactions and selectivity coefficients, adsorption reactions of environmentally important ions, surface functional groups, adsorption isotherms, equilibrium based adsorption models, point of zero charge, diffuse double layer-theory and models, surface complexation models, soil solution-importance, methods of obtaining soil solutions, models to determine activity coefficients, speciation, dissolution and solubility processes in soil environment, soil chemical equilibria, geochemical speciation models and redox chemistry of soil.

Textbooks

Evangelou VP, *Environmental Soil and Water Chemistry*: John Wiley & Sons, New York, 1998
Lindsay WL, *Chemical Equilibria in Soils*. John Wiley & Sons, New York, 1979
McBride MB, *Environmental Chemistry of Soils*. Oxford University Press, New York, 1994.
Sparks DL, *Environmental Soil Chemistry*. Second Edition, Academic Press, San Diego, 2003
Sposito G, *The Chemistry of Soils*. Oxford University Press, New York, 1989

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 Department 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 Department is in the Anderson Stuart Building. The Department Office is on the first floor, Room S463.

Noticeboards

The noticeboards are situated near Rooms W225, S431 and 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 Departmental 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 Department and on the advisability of various combinations of subjects.

Registration

All students should register with the Department. Please consult the Departmental 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 neuro sciences must wear a laboratory coat or gown in tutorial rooms and a gown in dissection rooms and must wear gloves when handling cadaveric material.

Web-site

The Department's web-site is located at <http://www.anatomy.usyd.edu.au/>.

ANAT 2008 Principles of Histology

6 credit points. B Sc, UG Study Abroad Program. Associate Professor Maria Byrne. **Session:** Semester 1. **Classes:** 2 Lectures, 1 practical (2 hr), on-line and museum exercises (6hrs total). **Assumed Knowledge:** General concepts in human biology of basic vertebrate biology. **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology. **Prohibitions:** ANAT2001. **Assessment:** 1hr theory exam, 1 hr practical exam, 4 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. 2005 Histology-A Text and Atlas. 5th Edition, Lippincott Williams and Wilkins, New York

ANAT 2009 Comparative Primate Anatomy

6 credit points. B Sc, UG Study Abroad Program. Dr Denise Donlon. **Session:** Semester 2. **Classes:** 2 lectures, 1 2hr prac/wk, museum project. **Assumed Knowledge:** Knowledge of basic vertebrate biology. **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology or Junior Archaeology. **Prohibitions:** ANAT2002. **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, L.M. The Anatomy Coloring Book. Addison-Wesley. 2001

Reference books:

Aiello, L. and Dean, C. An Introduction to Human Evolutionary Anatomy. Academic Press 1990.

Zilman, A.L. The Human Evolution Coloring Book. Barnes and Noble, Sydney. 1982

ANAT 2010 Concepts of Neuroanatomy

6 credit points. B Sc, UG Study Abroad Program. Dr Karen Cullen. **Session:** Semester 2. **Classes:** 2 lectures, 2hr prac/wk. **Assumed Knowledge:** Background in basic mammalian biology. **Prerequisites:** BIOL (1001 or 1901) and one of: BIOL (1002 or 1902 or 1003 or 1903) or PSYC (1001 and 1002). **Prohibitions:** ANAT2003. **Assessment:** One 1.5 hr theory exam, One 1 hr 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, M.F., B.W. Connors, M.A. Paradiso. Neuroscience: Exploring the Brain (second edition), Williams and Wilkins (2001).

ANAT 3004 Cranial and Cervical Anatomy

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Robin Arnold. **Session:** Semester 2. **Classes:** 2 lee, 3-4 hr tut. **Assumed Knowledge:** General knowledge of biology. **Prerequisites:** ANAT2002 or ANAT2009 or BMED2803 or BMED2804 or BMED2805 or BMED2806. **Prohibitions:** ANAT3005. **Assessment:** One 1.5hr theory exam, one 1hr prac exam, one 2500 word essay, continuous assessment (10%).

NB: 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

Mackinnon and Morris. Oxford Textbook of Functional Anatomy, Vol 3: Head & Neck. Oxford University Press. 1990

An anatomy atlas such as Rohan, Yokochi and Lutjen-drecoll, Color Atlas of Human Anatomy.

ANAT 3006 Forensic Osteology

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Denise Donlon. **Session:** Semester 1. **Classes:** 2 lee, 2hr tut & 2hr prac/week. **Assumed Knowledge:** An understanding of basic human musculoskeletal anatomy. **Prerequisites:** Credit in ANAT2009 or Credit in ANAT2002 (for students who completed Intermediate study before 2005). **Assessment:** 1hr theory exam, 1/2 hr prac exam, continuous assessment, case study.

NB: 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

Burns, K.R 1999 Forensic Anthropology Training Manual. Prentice Hall.

ANAT 3007 Visceral Anatomy

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Robin Arnold. **Session:** Semester 1. **Classes:** 2hrs lee & 3-4 hr prac/wk. **Assumed Knowledge:** General knowledge of biology. **Prerequisites:** ANAT2009 or ANAT2010 or BMED2803 or BMED2804 or BMED2805 or BMED2806. **Assessment:** One 1.5hr theory exam, one 1hr prac exam, one 1200 word essay.

NB: Not more than 12 credit points allowed from ANAT3 004, ANAT3 007 & ANAT3 008.

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.

ANAT 3008 Musculoskeletal Anatomy

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Rachel Ward. **Session:** Semester 2. **Classes:** 2 lee, 2 x 2 hr tut/prac/wk. **Assumed Knowledge:** Some knowledge of basic mammalian biology. **Prerequisites:** ANAT2009 or ANAT2002 (for students who completed Intermediate study before 2005) or BMED2803 or BMED2804 or BMED2805 or BMED2806. **Prohibitions:** ANAT3005. **Assessment:** One assignment, 1hr prac exam, 1.5hr theory exam.

NB: Not more than 12 credit points allowed from ANAT3004, ANAT3007 and ANAT3008.

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.

EMHU 3001 Electron Microscopy and Imaging/Theory

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Anne Swan and Dr Alan Jones. **Session:** Semester 2. **Classes:** 4x1hr lec/wk, 1x1hr tut/wk. **Assumed Knowledge:** General

concepts in Biology, and in Biochemistry or in Chemistry. **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). **Assessment:** Two 1 hr exams, theoretical research assignment as a PowerPoint (TM) submission and presentation (10 min).

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.

EMHU 3002 Electron Microscopy and Imaging/Prac

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Anne Swan and Dr Alan Jones. **Session:** Semester 2. **Classes:** 2x2hr prac/wk & 1x1hr tut/wk. **Assumed Knowledge:** General concepts in Biology, Histology and in Biochemistry or in Chemistry. **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. **Assessment:** 2x1hr 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 visualize 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.

HSTO 3001 Microscopy & Histochemistry Theory

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Robin Arnold Prof. Chris Murphy. **Session:** Semester 1. **Classes:** Usually 4 lectures per week plus some tutorials - see timetable. **Assumed Knowledge:** Basic understanding of biology. **Prerequisites:** ANAT2008; BMED 2803 or 2804 or 2805 or 2806. **Corequisites:** HSTO3002. **Assessment:** One 2hr theory exam, 1 essay.

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

Keirman, J.A. Histological & Histochemical Methods 3rd Edition, 1999, Butterworth-Heinemann.

HSTO 3002 Microscopy & Histochemistry Practical

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Robin Arnold Prof. Chris Murphy. **Session:** Semester 1. **Classes:** Usually 5.5 hours practical per week - see timetable. **Assumed Knowledge:** Basic understanding of biology. **Prerequisites:** ANAT2008. **Corequisites:** HSTO3001. **Assessment:** 1.5 hr practical exam, 1 practical report.

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

Keirman, J.A. Histological & Histochemical Methods 3rd Edition, 1999, Butterworth-Heinemann.

HSTO 3003 Cells and Development: Theory

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Frank Lovicu. **Session:** Semester 2. **Classes:** 4 x theory lectures per week, 1h tutorial. **Assumed Knowledge:** (i) An understanding of the basic structure of vertebrates; (ii) An understanding of elementary biochemistry and genetics. **Prerequisites:** For BSc students: ANAT 2008 or ANAT2001 and any one of the following intermediate MBLG units (2771, 2871, 2001, 2101, 2901). For BMedSc students: 42 credit points of Intermediate BMED units, including: BMED2801, 2802, 2805. **Prohibitions:** ANAT3002. **Assessment:** 1x 2hr exam, tutorial research papers.

The main emphasis of this unit of study concerns the mechanisms that control animal development. Fertilization, 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. (7th edn) Sinauer Associates Inc: Sunderland, Mass. 2003.

HSTO 3004 Cells and Development: Practical (Adv)

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Frank Lovicu. **Session:** Semester 2. **Classes:** 1 tut, 2 x 2hr pracs/wk. **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: ANAT 2008 or ANAT2001 and any one of the following intermediate MBLG units (2771, 2871, 2001, 2101, 2901). For BMedSc students: 42 credit points of Intermediate BMED units, including: BMED2801, 2802, 2805. **Corequisites:** HSTO3003. **Prohibitions:** ANAT3002. **Assessment:** One 1hr exam, Practical class reports.

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. (7th edn) Sinauer Associates Inc: Sunderland, Mass. 2003.

Anatomy and Histology Honours and Graduate Diploma

This unit of study provides the opportunity for the student 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. To qualify for this unit of study 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 Department of Anatomy and Histology. The department also contributes to the teaching of the Graduate degrees in Applied Science (Neuroscience).

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. The Junior program has the introductory faculty Unit of Study Molecular Biology & Genetics Intro (MBLG1001). The comprehensive Intermediate program in Biochemistry and Molecular Biology includes Protein Biochemistry (BCHM2071/2971), Human Biochem-

istry (BCHM2072/2972) and the faculty Unit of Study Molecular Biology & Genetics A (MBLG2071/2971). Students wishing to progress to the Senior units of study in Biochemistry and Molecular Biology need to have completed MBLGIOO1 and 12 CP of Intermediate BCHM/MBLG Units of Study. The Senior program consists of Molecular Biology & Biochemistry - Genes (BCHM3071/3971), Molecular Biology & 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 earlier in this chapter as well as the degree information in Chapter 2 of this handbook.

Biochemistry Intermediate units of study

BCHM 2071 Protein Biochemistry

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Charles Collyer. **Session:** Semester 1. **Classes:** 2 lec/wk, 1 tut/fortnight, 4hr prac/fortnight. **Assumed Knowledge:** CHEM (1101 and 1102). **Prerequisites:** 12 credit points of Junior Chemistry plus MBLGIOO1. **Corequisites:** Recommended concurrent units of study: intermediate MBLG for progression to Senior Biochemistry, and/or Intermediate Chemistry. **Prohibitions:** BCHM2011 or BCHM2971. **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 MBLGIOO1 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

C.W. Pratt & K. Comely, Essential Biochemistry (John Wiley & Sons, 2004) and the Resource Manual for Biochemistry 2 Practical Sessions, Sem 1

BCHM 2971 Protein Biochemistry (Advanced)

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Charles Collyer. **Session:** Semester 1. **Classes:** 2 lee, 1 tut/fortnight, 4 hr prac/fortnight. **Prerequisites:** 12 credit points of Junior Chemistry and Distinction in MBLGIOO1. **Prohibitions:** BCHM2011, BCHM207L. **Assessment:** One 2hr theory and theory of practical exam, 2 prac 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 MBLGIOO1 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

C.W. Pratt & K. Comely, Essential Biochemistry (John Wiley & Sons, 2004) and the Resource Manual for Biochemistry 2 Practical Sessions, Sem 1

BCHM 2072 Human Biochemistry

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. A/Prof Gareth Denyer. **Session:** Semester 2. **Classes:** 2 lee, 6 prac in alternate wks. **Prerequisites:** Either MBLGIOO1 and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971. **Prohibitions:** BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112. **Assessment:** One 3 hr 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 at the cellular level.

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 utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be 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.

BCHM 2972 Human Biochemistry (Advanced)

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. A/Prof Gareth Denyer. **Session:** Semester 2. **Classes:** 2 lee, 5 practicals incorporating tutorials in alternate weeks. **Prerequisites:** Distinction in one of (BCHM (2071 or 2971) or MBLG(2071 or 2971)) or (Distinction in MBLGIOO1 and Distinction in 12 credit points of Junior Chemistry). **Prohibitions:** BCHM2072, BCHM2002, BCHM2102, BCHM2902, BCHM2112. **Assessment:** One 3 hr 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 at the cellular level.

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 utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be 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

Biochemistry Senior units of study

BCHM 3071 Molecular Biology & Biochemistry- Genes

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Prof Merlin Crossley. **Session:** Semester 1. **Classes:** 2hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLGIOO1 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and (6CP of Intermediate BCHM units or MBLG 2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804). **Prohibitions:** BCHM3971, BCHM3001, BCHM3901. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804

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 biotechnolo-

gical 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 *Essential Genes* (Prentice-Hall, 2006).

BCHM 3971 Molecular Biology & Biochem- Genes (Adv)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Prof Merlin Crossley. **Session:** Semester 1. **Classes:** 2hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG1001 and Distinction in 12 CP of Intermediate BCHM) or (Distinction in MBLG2771/2871 and Distinction in 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804). **Prohibitions:** BCHM3071, BCHM3001, BCHM3901. **Assessment:** One 2.5 hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804

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 *Essential Genes* (Prentice-Hall, 2006).

BCHM 3072 Human Molecular Cell Biology

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Prof Iain Campbell. **Session:** Semester 2. **Classes:** 2hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG 1001 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804). **Prohibitions:** BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804

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 three 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 will consider 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* (4th edition, Garland Science, 2002)

BCHM 3972 Human Molecular Cell Biology (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Prof Iain Campbell. **Session:** Semester 2. **Classes:** 2hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG1001 and Distinction in 12 CP of Intermediate BCHM) or (Distinction in MBLG2771/2871 and Distinction in 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804). **Prohibitions:** BCHM3072, BCHM3002, BCHM3004, BCHM3902, BCHM3904. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804

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 three 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 will consider 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* (4th edition, Garland Science, 2002)

BCHM 3081 Mol Biology & Biochemistry- Proteins

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Dr Simon Easterbrook-Smith. **Session:** Semester 1. **Classes:** 2hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG 1001 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804). **Prohibitions:** BCHM3981, BCHM3001, BCHM390L. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804

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.

BCHM 3981 Mol Biology & Biochemistry- Proteins Adv

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Dr Simon Easterbrook-Smith. **Session:** Semester 1. **Classes:** 2hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG 1001 and Distinction in 12 CP of Intermediate BCHM) or (Distinction in MBLG2771/2871 and Distinction in 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804). **Prohibitions:** BCHM3081, BCHM3001, BCHM3901. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804

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

Branden C & Tooze J Introduction to Protein Structure (2nd edition, Garland, 1999)

BCHM 3082 Medical and Metabolic Biochemistry

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Prof Philip Kuchel. **Session:** Semester 2. **Classes:** 2 hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG1001 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and (6CP of Intermediate BCHM units or MBLG 2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804). **Prohibitions:** BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804

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 utilization, 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.

BCHM 3982 Medical and Metabolic Biochemistry (Adv)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Jill Johnston, Prof Philip Kuchel. **Session:** Semester 2. **Classes:** 2 hr lec/wk & 6hr prac/fortnight. **Prerequisites:** (MBLG1001 and Distinction in 12 CP of Intermediate BCHM) or (Distinction in MBLG2771/2871 and Distinction in 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804). **Prohibitions:** BCHM3082, BCHM3002, BCHM3004, BCHM3902, BCHM3904. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804

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 utilization, 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.

BCHM 3092 Proteomics and Functional Genomics

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Stuart Cordwell, Mrs Jill Johnston. **Session:** Semester 2. **Classes:** 2 hr lec/wk & 3hr prac/week. **Prerequisites:** (MBLG1001 and 12 CP of Intermediate BCHM) or (MBLG2771/2871 and (6CP of Intermediate BCHM units or MBLG 2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804). **Prohibitions:** BCHM3992, BCHM3098. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804

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, Daniel C. Introduction to proteomics : tools for the new biology (Humana Press, 2002)

BCHM 3992 Proteomics and Functional Genomics (Adv)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Stuart Cordwell, Mrs Jill Johnston. **Session:** Semester 2. **Classes:** 2 hr lec/wk & 3hr prac/fortnight. **Prerequisites:** (MBLG 1001 and Distinction in 12 CP of Intermediate BCHM) or (Distinction in MBLG2771/2871 and Distinction in 6CP of Intermediate BCHM units or MBLG 2072/2972) or (42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804). **Prohibitions:** BCHM3092, BCHM3098. **Assessment:** One 2.5hr exam, prac work.

NB: From 2007 the prerequisites will be :MBLG1001 and Distinction in 12 CP of Intermediate BCHM/MBLG units or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804

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, Daniel C. Introduction to proteomics : tools for the new biology (Humana Press, 2002)

Biochemistry Honours

Dr Easterbrook-Smith, Biochemistry Staff

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 is not normally available). It provides the opportunity for research on a project supervised by a particular staff member, as well as the study of advanced and developing aspects of Biochemistry. During the year each student is required to write one essay, for which there is a choice of topics. Assessment of the year's work is based largely on the student's performance on the research project, and a written report on the project. During the second semester of the Senior Biochemistry units of study students are invited to apply for permission to enrol in the Honours units of study and are provided with a list of possible research projects. Potential research topics currently offered to students 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 the solution structure of DNA binding proteins
- NMR studies of membrane transport and metabolism in cells
- Eukaryotic transcription factors
- Proteomics
- Bioinformatics
- Protein structure modeling
- Mass Spectroscopy
- Genomics
- Molecular biology of humans and yeasts
- Gene expression in transgenic mice
- Glycaemic index of foods; oligosaccharides in human milk.

Students must arrange to speak with potential supervisors. An application form is attached to the list of possible research projects provided to students or is available from the Honours coordinator and they are asked to provide the names of at least four supervisors in order of preference. A decision on the Honours intake is made before Christmas. An attempt is made to assign students to the supervisor of their choice but this will not always be possible. In difficult cases there is further discussion with the student.

The usual requirement for acceptance into the Honours program is a pass at the Credit level in 12 credit points of Senior Biochemistry. Additionally, strong students with relevant training (ie. Chemistry, Biology or Medical Sciences) may be admitted by permission of the Head of School. It should be noted that the number of students accepted into the Honours program may be limited because of resource restrictions (eg, 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 Table at the end of this chapter.

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. 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 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).

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 biomedical disciplines. For further information regarding third year requirements see Table 1 A.

Biological Sciences

Advice on units of study

Members of the Biology staff are normally present among Faculty Advisers during enrolment week. Any student needing advice before enrolling should make an appointment to see a Departmental adviser from the School of Biological Sciences.

Assistance during semester

The offices of Junior year Biology staff are on the 5th floor of Carslaw.

Summer School: January-February.

The School of Biological Sciences 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

BIOL 1001 Concepts in Biology

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B Anim Sc, B E, B Hort Sc, B L W Sc, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Pharm, B Pharm (Rural), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Gene. **Session:** Semester 1, Summer. **Classes:** 3 lee & 3 hrs prac/wk. **Assumed Knowledge:** No previous knowledge required. Students are encouraged to take the Biology Bridging Course. Students who have completed HSC Biology are advised to enrol in BIOL1101 Ecosystems to Genes rather than BIOL1001. **Prohibitions:** BIOL (1101 or 1901). **Assessment:** One 2.5hr exam, assignments, quizzes. **NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.**

Concepts in Biology is an introduction to the major themes of modern biology. We start with introductory cell biology, which particularly emphasises how cells obtain and use energy. We then discuss the structure and function of microorganisms. The significance of molecular biology is covered, working from the role of DNA in protein synthesis and development through to modern techniques and their uses. The genetics of organisms is then discussed, leading to consideration of theories of evolution and the origins of the diversity of modern organisms. We bring all the abovementioned concepts together to develop an understanding of interactions between organisms in biological communities or ecosystems. Finally we discuss the significance of human impact on other living organisms, with particular reference to finding solutions to problems in areas such as global warming, introduced pests, and extinctions. The unit is designed so that lab classes and the field trip integrate with the lectures. Lab activities are carried out in groups so that team work skills are developed. This unit also incorporates a number of key generic skills such as written communication skills, discussion and data interpretation, and experimental design and hypothesis testing skills.

Textbooks

Knox R B, Ladiges P and Evans B, (2005) Biology, 3rd Ed. McGraw-Hill

A Unit of Study Manual will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1101 Biology - Ecosystems to Genes

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B E, B Hort Sc, B L W Sc, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Pharm, B Pharm (Rural), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc. **Session:** Semester 1. **Classes:** 3 lee & 2-3 hrs. prac/wk. **Prerequisites:** HSC 2-unit Biology or equivalent. **Prohibitions:** BIOL (1001 or 1901). **Assessment:** One 2.5hr exam, assignments, quizzes.

NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

Biology - Ecosystems to Genes builds on the main themes introduced in HSC 2-unit Biology to provide a background to the breadth of biology, including: cell biology, with emphasis on how cells obtain and use energy; diversity of microorganisms; genetics of organisms; modern molecular biology; theories of evolution and the origins of diversity of modern organisms; and interactions between organisms in biological communities.

Textbooks

Knox R B, Ladiges P and Evans B (2005) Biology, 3rd Ed., McGraw-Hill

7. Science units of study

A Unit of Study Manual will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1901 Biology - Ecosystems to Genes (Advanced)

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr. **Session:** Semester 1. **Classes:** 3 lee & 3 hrs prac/wk. **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:** BIOL (1001 or 1101). **Assessment:** One 2.5hr exam, assignments, quizzes.

NB: Department permission required for enrolment. It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

This unit of study shares lectures and practical classes with BIOL1101 but also includes more demanding alternative components of Biology - Ecosystems to Genes.

Textbooks
As for BIOL1101.

A Unit of Study Manual will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1002 Living Systems

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B Hort Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. **Session:** Semester 2. **Classes:** (3 lee & 2 h prac)/wk. **Assumed Knowledge:** HSC 2-unit Biology. Students who have not undertaken an HSC biology course are strongly advised to complete Biology Bridging Course before lectures commence. **Prohibitions:** BIOL1902. **Assessment:** One 2.5hr exam, assignments, class work.

Living Systems deals with the biology of all sorts 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. It is recommended that BIOL (1001 or 1101 or 1901) be taken before this unit of study. This unit of study, together with BIOL (1001 or 1101 or 1901) provides entry to all Intermediate units of study in biology in the School of Biological Sciences.

Textbooks
Knox R B, Ladiges P and Evans B (2005) *Biology*, 3rd Ed., McGraw-Hill.

A Unit of Study Manual will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1902 Living Systems (Advanced)

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B Hort Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr. **Session:** Semester 2. **Classes:** (3 lee & 2 h prac)/wk. **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:** BIOL (1002 or 1904 or 1905). **Assessment:** One 2.5hr exam, assignments, quizzes, independent project.

NB: Department permission required for enrolment.

This unit of study shares lectures and practical classes with BIOL 1002 but also includes more demanding alternative components of Living Systems

Textbooks
As for BIOL1002.

A Unit of Study Manual will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1003 Human Biology

6 credit points. B A, B Agr Ec, B E, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Pharm, B Pharm (Rural), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Nutrition), UG Study Abroad Program, UG Summer /Winter School. **Session:** Semester 2, Summer. **Classes:** Two or three, one hour lectures per week (3 lectures in weeks 1 and 13) plus 1 hour per lecture of independent study. Two 3 hour laboratory sessions every three weeks, plus 6-9 hours HOnline work every three weeks covering online practical activities, prework and homework. **Assumed Knowledge:** HSC 2-unit Biology. **Prohibitions:** BIOL1903 or EDUH1016. **Assessment:** One 2.5hr exam, assignment, poster and quizzes.

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 both lectures and practical work. It begins with human evolution, human population dynamics and the impact of people on the environment. 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. It is recommended that BIOL (1001 or 1101 or 1901) be taken before this unit of study. Enrolment may be restricted by the availability of places. This unit

of study, together with BIOL (1001 or 1101 or 1901), provides entry to Intermediate units of study in Biology, but the content of BIOL (1002 or 1902) is assumed knowledge for BIOL (2011 or 2012) and PLNT (2002 or 2003) and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.

Textbooks
Seeley, R., Stephens, T.D. & Tate, P. (2005) *Essentials of Human Anatomy and Physiology*, McGraw Hill which comes with a custom publication of Mader, SS (2004) *Human Biology*, 8th Ed., McGraw-Hill.
The Course Reader will be available for purchase from the Copy Centre during the first week of Semester.

BIOL 1903 Human Biology (Advanced)

6 credit points. B A, B Agr Ec, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two or three, one hour lectures per week (3 lectures in weeks 1 and 13) plus 1 hour per lecture of independent study. Two 3 hour laboratory sessions every three weeks, plus 6-9 hours HOnline work every three weeks covering online practical activities, prework and homework. **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:** BIOL (1003 or 1904 or 1905) or EDUH1016. **Assessment:** One 2.5hr exam, assignment, quizzes.

NB: Department permission required for enrolment.

This unit of study is the same as BIOL 1003 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

A Unit of Study Manual will be available for purchase from the Copy Centre during the first week of semester.

Biology Intermediate units of study

Students who wish to take Intermediate Biology units of study should obtain Information for Students Considering Intermediate Biology Units of Study from the School Office (Science Rd Cottage, A10). Students should discuss their preferences, 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.

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 eight Intermediate units of study are offered:

Semester One

- BIOL 2011 Invertebrate Zoology
- BIOL 2911 Invertebrate Zoology (Advanced)
- BIOL 2016 Cell Biology
- BIOL 2916 Cell Biology (Advanced)
- PLNT 2001 Applied Plant Biochemistry
- PLNT 2901 Applied Plant Biochemistry (Advanced)
- PLNT 2002 Aust Flora: Ecology and Conservation
- PLNT 2902 Aust Flora: Ecology & Conservation (Adv)

Semester Two

- BIOL 2012 Vertebrates and their Origins
- BIOL 2912 Vertebrates and their Origins (Advanced)
- BIOL 2017 Entomology
- PLNT 2003 Plant Form and Function
- PLNT 2903 Plant Form and Function (Advanced)
- MBLG 2072 Molecular Biology and Genetics B
- MBLG 2972 Molecular Biology and Genetics B (Advanced)

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.

BIOL 2011 Invertebrate Zoology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr E L May. **Session:** Semester 1. **Classes:** (2 lee, 1 tut, 2 prac)/wk or (3 lee, 2 prac)/wk. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Prohibitions:** BIOL (2001 or 2101 or 2901 or 2911). **Assessment:** Mid-semester test, one 2hr theory exam, one 1.5hr prac exam, one essay, tutorial work.

NB: 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. This unit of study may be taken alone, but when taken with BIOL2012 provides entry into certain Senior Biology units of study.

BIOL 2911 Invertebrate Zoology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr E L May. **Session:** Semester 1. **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 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:** BIOL (2001 or 2101 or 2011 or 2901).

NB: The completion of 6 credit points of MBLG units of study is highly recommended. Qualified students will participate in alternative components of BIOL 2011 Invertebrate Zoology. The content and nature of these components may vary from year to year.

BIOL 2012 Vertebrates and their Origins

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr E L May. **Session:** Semester 2. **Classes:** (2 lee, 1 tut, 2 prac)/wk or (3 lee, 2 prac)/wk, one field trip. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and 6 credit points of Junior Physics. **Prohibitions:** BIOL (2002 or 2102 or 2912 or 2902). **Assessment:** Mid-semester test, one 2hr theory exam, one 1.5hr prac exam, one assignment, one essay, tutorial work.

NB: The completion of 6 credit points of MBLG units of study 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.

BIOL 2912 Vertebrates and their Origins (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr E L May. **Session:** Semester 2. **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 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:** BIOL (2002 or 2902 or 2102 or 2012).

NB: The completion of 6 credit points of MBLG units of study 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.

BIOL 2016 Cell Biology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Jan Marc, Dr Murray Thomson, A/Prof Robyn Overall, Dr Osu Lilje. **Session:** Semester 1. **Classes:** (3 lee, 3 prac)/wk, (wks 1-9). **Prerequisites:** 12 credit points of Junior Biology or EDUH1016 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Prohibitions:** BIOL (2006 or 2106 or 2906 or 2916). **Assessment:** One 3 hr theory exam, one project assignment, one prac report.

NB: The completion of 6 credit points of MBLG units of study 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 the structure, function, and evolution of cells and organelles, cellular development and differentiation, and embryonic development.

Material covered in lectures is integrated with laboratory classes. The unit of study is designed to complement intermediate Molecular Biology and Genetics units and BCHM2002 Molecules, Metabolism, and Cells. It leads ideally to various senior units of study in biology, including Plant Cells & Development, Plant Physiology, Recombinant DNA, Evolutionary and Developmental Genetics, Fungal Biology, 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

OR

Alberts B, Bray D, Hopkin K, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2004. Essential Cell Biology. Second Edition. Garland Science

Study Guide BIOL2016/2916 Cell Biology (available from Copy Centre)

BIOL 2916 Cell Biology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Jan Marc, Dr Murray Thomson, A/Prof Robyn Overall, Dr Osu Lilje. **Session:** Semester 1. **Classes:** 3 lec/wk, 3hrs prac/wk (wks 1-9). **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) and 12 cp of Junior Chemistry. **Prohibitions:** BIOL (2006 or 2106 or 2906 or 2016).. **Assessment:** One 3 hr exam, one practical report and one project assignment.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course.

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 the structure, function, and evolution of cells and organelles, cellular development and differentiation, and embryonic development.

Material covered in lectures is integrated with laboratory classes. The unit of study is designed to complement Intermediate Molecular Biology and Genetics units and BCHM2002 Molecules, Metabolism, and Cells. It leads ideally to various Senior units of study in Biology, including Plant Cells & Development, Plant Physiology, Recombinant DNA, Evolutionary and Developmental Genetics, Fungal Biology, 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

OR

Alberts B, Bray D, Hopkin K, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2004. Essential Cell Biology. Second Edition. Garland Science

Study Guide BIOL2016/2916 Cell Biology (available from Copy Centre)

BIOL 2017 Entomology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Dieter Hochuli. **Session:** Semester 2. **Classes:** 2.5 lecture and 2.5 practical. **Assumed Knowledge:** BIOL (2001 or 2901 or 2011 or 2911). **Prerequisites:** 12 credit points of Junior Biology. **Prohibitions:** BIOL2007. **Assessment:** Two hour theory exam, two practical reports, a presentation, review and an insect collection.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

A general but comprehensive introduction to Insect Biology, this unit of study develops understanding of the scientific approach to insect structural diversity, identification, life histories, development, physiology, ecology, biogeography, principles of control, toxicology of insecticides and biology of major economic pests in NSW. Practical give a working knowledge of major orders of insects, economically important species, principles of collection, preservation and identification. Entomological databases are introduced, and students do a library assignment and make and present a small collection of insects. Project work considers the use of insects in forensic investigations, insect-plant interactions and insects as tools for environmental assessment.

Biology Senior units of study

Students who intend to proceed from Intermediate to Senior Biology must:

(a) obtain Information for Students Considering Senior Biology Units of Study from the School Office (The Cottage, A10 Science Road). This booklet gives detailed synopses of all Senior Biology units of study.

(b) discuss their choice with a Biology Staff member before enrolling.

Sixteen 6 credit point units of study are offered.

- BIOL 3006 Ecological Methods. Semester 1. (MS)
- BIOL 3007 Ecology. Semester 2. (MS)
- BIOL 3008 Marine Field Ecology. Pre-Semester 2 intensive. (MS)
- BIOL 3009 Terrestrial Field Ecology. Pre-Semester 2 intensive.
- BIOL 3010 Tropical Wildlife Biology & Management. Pre-Semester 1 intensive.
- BIOL 3011 Ecophysiology. Semester 1. (MS)
- BIOL 3012 Animal Physiology. Semester 1.
- BIOL 3013 Marine Biology. Semester 1. (MS)
- BIOL 3017 Fungal Biology. Summer Break and Semester 1.
- BIOL 3018 Applications of Recombinant DNA Technology. Semester 1.
- BIOL 3025 Evolutionary Genetics and Animal Behaviour. Semester 2.
- BIOL 3026 Developmental Genetics. Semester 2.
- BIOL 3027 Bioinformatics and Genomics. Semester 1.
- PLNT 3001 Plant, Cell & Environment. Semester 2.
- PLNT 3002 Plant Growth & Development. Semester 2.
- PLNT 3003 Systematics & Evolution of Plants. Semester 1.

(Plus Advanced versions of the above - BIOL 39xx, PLNT 39xx)

Details of lectures and practical classes are given in the booklet: Information for Students Considering Senior 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 Marine Field Ecology, BIOL 3008/3908, and Terrestrial Field Ecology, BIOL 3009/3909. 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 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 Senior 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 Senior Biology Units of Study.

BIOL 3006 Ecological Methods

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Clare McArthur (UEO), Dr Dieter Hochuli, Dr Glenda Wardle. **Session:** Semester 1. **Classes:** Two 1hr lee, one 3hr lab/wk. **Assumed Knowledge:** BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). **Prerequisites:** 12 credit points of intermediate level Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. **Prohibitions:** BIOL (3906 or 3023 or 3923), MARS 3102.. **Assessment:** One 2hr exam (40% of assessment), practical assignments (60%; including calculations, reports and reviews).

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 be on sound philosophical and experimental principles, drawing on real examples for demonstration of

concepts, and will be useful as one basis for informed conservation, utilization and general management of natural populations and habitats. Practical classes will deal with practical methods of determining patterns of distribution and abundance, problems of sampling, estimation of ecological variables, and methods of statistical analysis of field data. Computer simulations and analyses will be used where appropriate.

Textbooks

Underwood, A. J. 1997. Experiments in Ecology: their logical design and interpretation using analysis of variance, 1st edition. Cambridge University Press, Cambridge.

Quinn, G. P., and M. J. Keough. 2002. Experimental Design and Data Analysis for Biologists, 1st edition. Cambridge University Press, Cambridge.

BIOL 3906 Ecological Methods (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Clare McArthur (UEO), Dr Dieter Hochuli, Dr Glenda Wardle. **Session:** Semester 1. **Classes:** Two 1hr lee, one 3hr lab/wk. **Assumed Knowledge:** BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. **Prohibitions:** BIOL (3006 or 3023 or 3923), MARS 3102.. **Assessment:** One 2hr exam (40% of assessment), practical assignments (60%; including calculations, reports and reviews).

This unit has the same objectives as BIOL 3006 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.

BIOL 3007 Ecology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof Christopher Dickman (UEO), Dr Dieter Hochuli, Dr Clare McArthur, Dr Glenda Wardle. **Session:** Semester 2. **Classes:** Two 1hr lee, one 3hr lab/wk. **Assumed Knowledge:** Although not prerequisites, knowledge obtained from Ecological Methods (BIOL 3006), and Marine Field Ecology (BIOL 3008) and/or Terrestrial Field Ecology (BIOL 3009), or the associated advanced units (BIOL 3906, BIOL 3908 and/or BIOL 3909), is strongly recommended. **Prerequisites:** 12 credit points of Intermediate Biology; or ENVI 2111 or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. **Prohibitions:** BIOL (3907, 3024, 3924, 3040, 3940, 3041, 3941, 3042, 3942), MARS 3102.. **Assessment:** One 2hr exam (40% of assessment), two 1000 word essays (20%), one practical report (25%), and one summary (5%), and one presentation (10%).

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.

BIOL 3907 Ecology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof Christopher Dickman (UEO), Dr Dieter Hochuli, Dr Clare McArthur, Dr Glenda Wardle. **Session:** Semester 2. **Classes:** Two 1hr lee, one 3hr lab. **Assumed Knowledge:** Although not prerequisites, knowledge obtained from Ecological Methods (BIOL 3006), and Marine Field Ecology (BIOL 3008) and/or Terrestrial Field Ecology (BIOL 3009), or the associated advanced units (BIOL 3906, BIOL 3908 and/or BIOL 3909), is strongly recommended. Students entering this unit of study should have achieved distinction average. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or ENVI 2111 or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. **Prohibitions:** BIOL (3007, 3024, 3924, 3040, 3940, 3041, 3941, 3042, 3942), MARS 3102.. **Assessment:** One 2hr exam (40% of assessment), two 1000 word essays (20%), one practical report (25%) and one summary (5%), one presentation (10%).

This unit has the same objectives as BIOL 3007 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

Ecology: an Australian Perspective (2003) Edited by P. Attiwill and B. Wilson. Oxford University Press.

BIOL 3008 Marine Field Ecology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Ross Coleman (UEO), Prof Tony Underwood, Dr Gee Chapman. **Session:** S2 Intensive. **Classes:** 8 day field course. **Assumed Knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly advised. **Prerequisites:** 12 credit points of Intermediate Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. **Prohibitions:** BIOL (3908, 3040, 3940, 3024, 3924), MARS 3102. **Assessment:** Discussion groups (10%), research project proposal (10%), biodiversity survey report (20%), data analysis and checking (10%), research project report (50%).
NB: Dates: 5 July 2006 -12 July 2006

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 BIOL 3008/3908 and BIOL3007/3 907 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. University of New South Wales Press, 1995, provides useful background reading.

BIOL 3908 Marine Field Ecology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Ross Coleman (UEO), Prof Tony Underwood, Dr Gee Chapman. **Session:** S2 Intensive. **Classes:** 8 day field course, 4 tutorials. **Assumed Knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly advised. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS 2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS 2006. **Prohibitions:** BIOL (3008, 3040, 3940, 3024, 3924), MARS 3102.. **Assessment:** Discussion groups (10%), research project proposal (10%), biodiversity report (20%), data analysis and checking (10%), research project report (50%).
NB: Dates: 5 July 2006 -12 July 2006

This unit has the same objectives as Marine Field Ecology BIOL 3008, 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 the applicants on the basis of their 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 BIOL 3008/3908 and BIOL3007/3 907 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. University of New South Wales Press, 1995, provides useful background reading.

BIOL 3009 Terrestrial Field Ecology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur. **Session:** S2 Intensive. **Classes:** 6 day field trip, 10 lectures and 2 tutorials. **Assumed Knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly recommended. **Prerequisites:** 12 credit points of intermediate level Biology. **Prohibitions:** BIOL (3909, 3041, 3941, 3042, 3942, 3024, 3924).. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).
NB: Dates: Sunday 16 July to Friday 21 July 2006

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.

BIOL 3909 Terrestrial Field Ecology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur. **Session:** S2 Intensive. **Classes:** 6 day field trip, 10 lectures and 2 tutorials. **Assumed Knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly recommended. **Prerequisites:** Distinction average in 12 credit points of intermediate level Biology. **Prohibitions:** BIOL (3009, 3041, 3941, 3042, 3942, 3024, 3924).. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).
NB: Dates: Sunday 16 July to Friday 21 July 2006

This unit has the same objectives as BIOL 3009 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 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.

BIOL 3010 Tropical Wildlife Biology and Management

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. **Session:** S1 Intensive. **Classes:** Field School 4 days. Classes at Sydney Uni 4 days. **Assumed Knowledge:** None, although Vertebrates and their Origins would be useful. **Prerequisites:** 12 credit points of intermediate level Biology. **Prohibitions:** BIOL3910. **Assessment:** One 2hr exam, one major practical report (2000wd), one 15min presentation, one 1hr practical exam.
NB: Dates: 19 February - 24th February 2006 Northern Territory followed by tutorials and practicals at the University of Sydney 27 February - 2 March 2006.

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 of a week-long field-based 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.

BIOL 3910 Tropical Wildlife Biol & Management Adv

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. **Session:** S1 Intensive. **Classes:** Field School 4 days. Classes Sydney Uni 4 days. **Assumed Knowledge:** None, although Vertebrates and their Origins would be useful. **Prerequisites:** Distinction average in 12 credit points of intermediate level Biology. **Prohibitions:** BIOL 3010, BIOL3014, BIOL3914. **Assessment:** One 2hr exam, one major practical report (2000wd), one 15min presentation, one 1hr practical exam.
NB: Department permission required for enrolment. Dates: 19 February - 24th February 2006 Northern Territory followed by tutorials and practicals at the University of Sydney 27 February - 2 March 2006.

This unit has the same objectives as TROP 3001 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.

BIOL 3011 Ecophysiology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Seebacher. **Session:** Semester 1. **Classes:** 2 lectures, 4hr lab per week. **Assumed Knowledge:** BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903). **Prerequisites:** 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3911. **Assessment:** One 1.5 hr exam, field trip seminar, laboratory report.
NB: 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 importance of environmental parameters, such as temperature, water, salt and pH, for biological functions, are investigated. Physiological interactions among animals, plants and fungi are dis-

7. Science units of study

cussed. Examples will have an emphasis on vertebrates and marine organisms. As part of the field component, students design their own research project to be conducted during the week-end long field trip.

BIOL 3911 Ecophysiology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Seebacher. **Session:** Semester 1. **Classes:** 2 lectures, 4hr lab per week. **Assumed Knowledge:** BIOL (2002 or 2012 or 2006 or 2016 or 2902 or 2912 or 2906 or 2916) or PLNT (2003 or 2903). **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3011. **Assessment:** One 1.5 hr exam, field trip seminar, independent project report.

NB: 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 20% of Ecophysiology). The content and nature of the independent project vary and students are encouraged to design their own project.

BIOL 3012 Animal Physiology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Thompson. **Session:** Semester 1. **Classes:** 2 lectures, 4hr lab per week. **Prerequisites:** 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2016 or 2006 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). **Prohibitions:** BIOL3912. **Assessment:** One 1.5 hr exam, laboratory/library reports.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Animal Physiology explores aspects of the physiology of animals and how physiology is influenced by environmental factors. The emphasis of the unit of study is vertebrate animals, although invertebrate examples will be used where appropriate. The unit of study is designed to complement Ecophysiology. Particular emphasis will be placed on energy metabolism and respiration in a range of animals and how that is affected by body mass and locomotion.

BIOL 3912 Animal Physiology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Thompson. **Session:** Semester 1. **Classes:** 2 lee, 4hr lab/ week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology including BIOL (2012 or 2002 or 2003 or 2006 or 2016 or 2912 or 2902 or 2903 or 2916 or 2906) or PLNT (2003 or 2903). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3012.. **Assessment:** One 1.5 hr exam, laboratory reports, independent project report.

NB: 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.

BIOL 3013 Marine Biology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee, 4hr lab/ week. **Assumed Knowledge:** MARS2006. **Prerequisites:** 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3913. **Assessment:** Practical reports, paper criticisms and other assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

We will examine in detail processes which 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.

BIOL 3913 Marine Biology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee, 4hr lab/ week. **Assumed Knowledge:** MARS2006. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or MARS2006 and 6 credit points of Intermediate Biology; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3013. **Assessment:** Practical reports, paper criticisms and other assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will participate in alternative components of the BIOL 3103 Marine Biology unit. The content and nature of these components may vary from year to year.

BIOL 3017 Fungal Biology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr P McGee. **Session:** Semester 1a. **Classes:** 5 lee & 15 prac in a two week intensive program immediately prior to semester one (labs run from 20 February to 3 March 2006), plus the equivalent of 30hrs 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 Micro-

biology or Geography, or their equivalent. **Prohibitions:** BIOL3917. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Students interested in fungal ecology, environmental and rehabilitation biology, fungal biodiversity, biological control and soil microbiology will study the structure and function of fungi. Emphasis will be placed on 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 examined, emphasising the use of these interactions in vegetation restoration and biocontrol of pests and pathogens. Students will be encouraged to develop a deeper understanding of one area of Fungal Biology through independent study. Part of the learning material will be available on the internet.

BIOL 3917 Fungal Biology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr P McGee. **Session:** Semester 1a. **Classes:** 5 lee & 15 prac in a two week intensive program immediately prior to semester one (from 20 February to 3 March 2006), plus the equivalent of 30hrs 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, or their equivalent. **Prohibitions:** BIOL3017. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will participate in alternative components of BIOL3017 Fungal Biology. The content and nature of the components will vary each year, but will include individual research on a topic agreed on with the executive officer.

BIOL 3018 Applications of Recombinant DNA Tech

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr B Lyon, Prof R Skurray. **Session:** Semester 1. **Classes:** 2 lectures, up to 4hr lab per week. **Prerequisites:** 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3918. **Assessment:** One 2 hr exam, practical report, assignment.

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.

BIOL 3918 Applications of Recombinant DNA Tech Adv

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr B Lyon. **Session:** Semester 1. **Classes:** 2 lectures, 4hr lab per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED 2502 or BMED 2802. **Prohibitions:** BIOL3018. **Assessment:** One 2 hr exam, assignment, seminar.

Qualified students will participate in alternative components of BIOL 3018 Applications of Recombinant DNA Technology. The content and nature of these components may vary from year to year.

BIOL 3025 Evolutionary Genetics & Animal Behaviour

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. A/Prof Oldroyd. **Session:** Semester 2. **Classes:** 2 lees, up to 4hr lab/wk. **Prerequisites:** 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3925, BIOL3928. **Assessment:** One 1.5hr 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.

BIOL 3925 Evolutionary Gen. & Animal Behaviour Adv

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. A/Prof Oldroyd. **Session:** Semester 2. **Classes:** 2 lecs, up to 4hr lab/wk. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2502 or BMED2802. **Prohibitions:** BIOL (3025 or 3928).. **Assessment:** One 1.5hr exam, assignments, seminar.

Qualified students will participate in alternative components of BIOL 3025 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.

BIOL 3026 Developmental Genetics

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Saleeba, Dr Raphael, A/Prof Gillies. **Session:** Semester 2. **Classes:** 2 lecs, up to 4hr lab/wk. **Prerequisites:** 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3926, BIOL3929. **Assessment:** One 2hr 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, sex determination, 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.

BIOL 3926 Developmental Genetics (Advanced)

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Saleeba, Dr Raphael, A/Prof Gillies. **Session:** Semester 2. **Classes:** 2 lecs, up to 4hr lab/wk. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED 2502 or BMED 2802. **Prohibitions:** BIOL (3026 or 3929). **Assessment:** One 2hr 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.

BIOL 3027 Bioinformatics and Genomics

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Firth, Dr Jermin. **Session:** Semester 1. **Classes:** 2 lecs, up to 4hr lab/wk. **Prerequisites:** 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2502/2802. **Prohibitions:** BIOL3927. **Assessment:** One 2hr exam, assignments. *NB: This unit of study is recommended for third year students enrolled in the BSc (Bioinformatics) degree.*

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.

BIOL 3927 Bioinformatics and Genomics (Advanced)

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotech-

nology), UG Study Abroad Program. Dr Firth, Dr Jermin. **Session:** Semester 1. **Classes:** 2 lecs & 4 hr lab/wk. **Prerequisites:** Distinction average in 12 credit points from MBLG (2001/2901/2771/2871), MBLG (2002/2902/2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED 2502 or BMED 2802. **Prohibitions:** BIOL3027. **Assessment:** One 2 hr exam, assignments.

NB: This unit of study is recommended for third year students enrolled in the BSc (Bioinformatics) degree.

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.

Biology Honours

A single Honours program in Biology accommodates students who have completed 24 credit points of Senior Biology or equivalent. Information about qualifications for entry into Honours is available from the School Office (Science Road Cottage, A10).

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.

Students who have signified their intention of entering Honours will be notified of acceptance after the publication of the second semester Senior examination results. Honours students are expected to start their academic year at the beginning of February or in July.

With the permission of the Head of School and the Faculty of Science, students who have qualified to take Honours and passed 12 credit points of Junior Biology may take Biology Honours without having taken Intermediate or Senior Biology units of study. The concession is intended for students who have majored in physics, chemistry or biochemistry and wish to study biophysics or plant physiology; they should first discuss their qualifications with Associate Professor R. L. Overall.

The Honours unit of study comprises:

- a project in which the student investigates a problem and presents oral and written accounts of his or her research.
- coursework units chosen from a program offered by the School.
- instruction in experimental design, and other technical instruction.

The degree will be awarded on the basis of:

- the written assignments and essays from coursework units.
- 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. Information about qualifications for entry into the Graduate Diploma is available from the School Office (Science Road Cottage, A10).

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 course 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 at the beginning of February 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 web site 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).

CPAT 3201 Pathogenesis of Human Disease 1

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Bob Bao. **Session:** Semester 2. **Classes:** 3 lec/wk, 1 tut/wk. **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 2hr exam (60%), one major research essay (1500w) generation of detractors for MCQ stems with referenced support blurbs for these (40%).

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.

CPAT 3202 Pathogenesis of Human Disease 2

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Bob Bao. **Session:** Semester 2. **Classes:** One 2hr prac/wk, One museum Practical (1hr), 1 tut/wk. **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 hr 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 Department of Chemical Engineering is part of the Faculty of Engineering. 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 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 pre-requisites and have consulted with the Department of Chemical Engineering.

Double Degree

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 Department of Chemical Engineering. Further details regarding admission to the BE in Chemical Engineering may be obtained from the Engineering Faculty Office.

Chemistry

Chemistry Junior units of study

Dr Adrian George

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:

CHEM 1001 Fundamentals of Chemistry 1A
 CHEM 1002 Fundamentals of Chemistry 1B
 CHEM 1101 Chemistry 1A
 CHEM 1102 Chemistry 1B
 CHEM 1901 Chemistry 1A (Advanced)
 CHEM 1902 Chemistry 1B (Advanced)
 CHEM 1903 Chemistry 1A (Special Studies Program)
 CHEM 1904 Chemistry 1B (Special Studies Program)
 CHEM 1908 Chemistry 1 Life Sciences A (Adv)
 CHEM 1909 Chemistry 1 Life Sciences B (Adv)

Fully detailed information about all units of study, prescribed textbooks and reference books is available from the School of Chemistry and is contained in a booklet, Information for Students, distributed at the time of enrolment.

Exercises are issued and tutorials are held at regular intervals for all units of study.

CHEM 1001 Fundamentals of Chemistry 1A

6 credit points. B A, B Anim Sc, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc Agr, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **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. **Prohibitions:** CHEM 1101 or 1901 or 1903 or 1909. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

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.

CHEM 1002 Fundamentals of Chemistry 1B

6 credit points. B A, B Anim Sc, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc Agr, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1001 or 1101) or equivalent. **Prohibitions:** CHEM (1102 or 1902 or 1904 or 1908). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

CHEM 1002 builds on CHEM 1001 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.

CHEM 1101 Chemistry 1A

6 credit points. B A, B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Ed, B Sc (Psych), B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter. **Session:** Semester 1, Semester 2, Summer. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk for 10 wks. **Assumed Knowledge:** HSC Chemistry and Mathematics. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1001 or 1903 or 1909). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

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.

CHEM 1102 Chemistry IB

6 credit points. B A, B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Ed, B Sc (Psych), B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Semester 1, Summer. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1101 or 1901) or a Distinction in CHEM 1001 or equivalent. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1002 or 1902 or 1904 or 1908). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

Chemistry IB is built on a satisfactory prior knowledge of Chemistry 1A and covers inorganic and organic chemistry. Chemistry IB 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.

CHEM 1901 Chemistry 1A (Advanced)

6 credit points. B A, B Anim Sc, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk for 10 wks. **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:** CHEM (1001 or 1101 or 1903 or 1909). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: 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.

CHEM 1902 Chemistry IB (Advanced)

6 credit points. B A, B Anim Sc, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent. **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1002 or 1102 or 1904 or 1908). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: Department permission required for enrolment.

Chemistry IB (Advanced) is built on a satisfactory prior knowledge of Chemistry 1A (Advanced) and covers inorganic and organic chemistry. Chemistry IB (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.

CHEM 1903 Chemistry 1A (Special Studies Program)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition). **Session:** Semester 1. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk. **Prerequisites:** UAI 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:** CHEM (1001 or 1101 or 1901 or 1909).

NB: Department permission required for enrolment. 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 IB (Special Studies Program).

CHEM 1904 Chemistry IB (Special Studies Program)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition). **Session:** Semester 2. **Classes:** 3 lee & 1 tut/wk & 3hrs prac/wk. **Prerequisites:** Distinction in CHEM 1903. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** May not be counted with CHEM (1002 or 1102 or 1902 or 1908).

NB: Department permission required for enrolment. Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.

Entry to Chemistry IB (Special Studies Program) is restricted to students who have gained a Distinction in Chemistry 1A (Special Studies Program). The practical work syllabus for Chemistry IB (Special Studies Program) is very different from that for Chemistry IB and Chemistry IB (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry IB (Advanced).

Chemistry IB (Special Studies Program) is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

CHEM 1908 Chemistry 1 Life Sciences A (Advanced)

6 credit points. B App Sc (Ex & Sp Sc), B Sc (Nutr), B Med Sc, B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1. **Classes:** 3 x 1hr lee + 1 tut/wk + 3 hrs prac/wk for 10 wks. **Prerequisites:** UAI of at least 93 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 units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1002 or 1102 or 1902 or 1904). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: Department permission required for enrolment. 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 hr): 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 (13 hr): 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.

CHEM 1909 Chemistry 1 Life Sciences B (Advanced)

6 credit points. B App Sc (Ex & Sp Sc), B Sc (Nutr), B Med Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2. **Classes:** 3 x 1hr lee + 1 tut/wk + 3 hrs prac/wk for 10 wks. **Prerequisites:** CHEM 1908 or equivalent. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (1001 or 1101 or 1901 or 1903). **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: 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 hr): 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 (13 hr): 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.

Chemistry Intermediate units of study

Dr R J Clarke

The School of Chemistry offers a number of units of study to cater for the differing needs of students. The following 6 credit point units of study are offered:

CHEM 2401 Molecular Reactivity and Spectroscopy,
 CHEM 2402 Chemical Structure and Stability,
 CHEM 2403 Chemistry of Biological Molecules,
 CHEM 2404 Forensic and Environmental Chemistry,
 CHEM 2911 Molecular Reactivity and Spectroscopy (Adv),
 CHEM 2912 Chemical Structure and Stability (Adv),
 CHEM 2913 Chemistry of Biological Molecules (Adv),
 CHEM 2915 Molecular Reactivity and Spectroscopy SSP,
 CHEM 2916 Chemical Structure and Stability SSP,

CHEM 2401 Molecular Reactivity and Spectroscopy

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, seven 1 hour tutorials per semester, eight four-hour practicals per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2502 or 2901 or 2903 or 2911 or 2915). **Assessment:** 1 x 3hr examination, quizzes, lab reports.

This is one of two core units of study for students interested in majoring in chemistry. The unit covers fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and includes applications of spectroscopy in environmental studies. It also covers the organic chemistry of aromatic systems, aldehydes and ketones, organometallic reagents, carbohydrates and DNA.

CHEM 2402 Chemical Structure and Stability

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, seven 1 hour tutorials per semester, eight four-hour practicals per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2202 or 2302 or 2902 or 2912 or 2916). **Assessment:** 1 x 3hr examination, quizzes, lab reports.

Lectures:

The lectures for this unit of study include the structure, bonding and properties of inorganic compounds and complexes; statistical thermodynamics and thermodynamics; amine chemistry, electrophilic substitution and the chemistry of aromatics, the chemistry of carbonyls, nucleophilic organometallic reagents and organic synthesis and synthetic methods.

Additional information:

Main chemistry unit of study for students expecting to major in chemistry.

CHEM 2403 Chemistry of Biological Molecules

6 credit points. B A, B E, B IT, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun, UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, six 1 hour tutorials per semester, five 4 hour practical sessions per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909); 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2001 or 2901 or 2311 or 2312 or 2903 or 2913). **Assessment:** 1 x 3hr examination, quizzes, lab reports.

NB: To enrol in Senior Chemistry in 2007 it will be a requirement that students complete 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.

This unit of study aims to give students an understanding of the chemistry underlying biological systems. Lectures will cover the mechanisms of organic chemical reactions and their application to biological systems, the molecular basis of spectroscopic techniques used in biological chemistry, analytical chemistry of biological systems, biopolymers and biocolloids and topics from inorganic chemistry of relevance to biological systems (metalloproteins, biomimicralisation, etc). The practical work will cover experimental investigations of chemical kinetics, organic and inorganic chemical analysis, biopolymer characterisation, and preparation and characterisation of a metal-based anti-inflammatory drug.

CHEM 2404 Forensic and Environmental Chemistry

6 credit points. B A, B E, B Sc, B Sc (Environmental), UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, six 1 hour tutorials, plus five 4 hour practical sessions per semester. **Prerequisites:** CHEM 1102 or 1902 or 1904 or 1909; 6 credit points of Junior Mathematics. **Prohibitions:** CHEM3107 or CHEM3197. **Assessment:** One 3 hour exam plus quizzes, lab reports.

NB: To enrol in Senior Chemistry in 2007 it will be a requirement that students complete 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.

Chemical analysis is a fundamental task of a professional chemist. The identification of chemical species and the 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: (i) atmospheric chemistry, covering topics such as air pollution, global warming and ozone depletion, and (ii) water and soil chemistry, including topics such as bio-geochemical cycling, chemical speciation, pH-pE diagrams, catalysis and Green Chemistry. The Forensic component of the course examines the gathering and analysis of evidence, using a wide variety of chemical techniques, as well as the development of specialized 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 techniques such as IR, UV, MS, GC, GC-MS, XRD, XRF, SEM, EDAXICP, HPLC, trace metals analysis, separation science, DNA analysis, etc., singly and in combination are used to examine forensic evidence.

CHEM 2911 Molecular Reactivity & Spectroscopy Adv

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, seven 1 hour tutorials per semester and eight 4 hour practicals per semester.

Prerequisites: A WAM of 65 or better and a Credit or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2401 or 2502 or 2901 or 2903 or 2915). **Assessment:** One 3 hour exam plus quizzes, lab reports.

The syllabus for this unit is that of CHEM2401 together with special Advanced material presented in the theory and/or practical programs. The lectures cover fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and includes applications of spectroscopy in environmental studies. It also covers the organic chemistry of aromatic systems, aldehydes and ketones, organometallic reagents, carbohydrates and DNA.

CHEM 2912 Chemical Structure and Stability (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** A WAM of 65 or better and a Credit or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2202 or 2302 or 2402 or 2902 or 2916). **Assessment:** One 3 hour exam plus quizzes, lab reports.

The syllabus for this unit is that of CHEM 2402 together with special Advanced material presented in the theory and/or practical programs. The lectures include the structure, bonding and properties of inorganic compounds and complexes; statistical thermodynamics and thermodynamics; amine chemistry, electrophilic substitution and the chemistry of aromatics, the chemistry of carbonyls, nucleophilic organometallic reagents and organic synthesis and synthetic methods.

CHEM 2913 Chemistry of Biological Molecules (Adv)

6 credit points. B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology). Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, 1 hour tutorials per semester and five 4 hour practical sessions per semester. **Prerequisites:** CHEM (1902 or 1904 or 1909). 12 credit points of Junior Mathematics. Candidates for the BSc (Molecular Biology & Genetics) must achieve a Credit average in Junior units of study. Candidates for the BSc (Molecular Biotechnology) must achieve a Credit average in Junior units of study and a Distinction average in Junior Chemistry units of study. **Prohibitions:** CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2403 or 2502 or 2901 or 2903). **Assessment:** One 3 hour exam plus quizzes, lab reports.

NB: This unit of study is available to students in the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Science (Molecular Biotechnology) degree programs only.

This unit of study aims to give students an understanding of the chemistry underlying biological systems. Lectures will cover the mechanisms of organic chemical reactions and their application to biological systems, the molecular basis of spectroscopic techniques used in biological chemistry, analytical chemistry of biological systems, biopolymers and biocolloids and topics from inorganic chemistry of relevance to biological systems (metalloproteins, biomimicralisation, etc). There will also be 8 hours of compulsory tutorial workshops. Students must ensure that one complete afternoon from 1.00 pm to 5.00 pm, free from other commitments, is available for the practical work.

CHEM 2915 Molecular Reactivity & Spectroscopy SSP

6 credit points. B A, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, eleven 1 hour SSP seminars per semester, eight four-hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902

or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2401 or 2502 or 2901 or 2903 or 2911). **Assessment:** One 3 hour exam plus quizzes, assignments, lab reports.

NB: Department permission required for enrolment. 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 special SSP lectures on state-of-the-art topics in chemistry. The topics covered in 2005 were Artificial Molecular Machines, Composite Materials and Nanostructured Inorganic Materials.

CHEM 2916 Chemical Structure and Stability (SSP)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. Dr R J Clarke.

Session: Semester 2. **Classes:** Three lectures per week, eleven 1 hour SSP seminars per semester, eight four-hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM (2202 or 2302 or 2402 or 2902 or 2912). **Assessment:** One 3 hour exam plus quizzes, assignments, lab reports.

NB: Department permission required for enrolment. 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 syllabus for this unit is that of CHEM2402 together with special Advanced material presented in the theory and/or practical programs. In addition, special SSP lectures will be on state-of-the-art topics in chemistry. The topics covered in 2005 were Clusters - Molecules or Little Chunks of Solids?; Obtaining information concerning chemical reactivity and motion from absorption and emission spectra; and Colour and Constitution.

Chemistry Senior units of study

Dr R W Baker

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.

CHEM 3110 Biomolecules: Properties and Reactions

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 1. **Classes:** 2hr lee & 4hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 for studying the behaviour of biomolecules. The final section of the unit illustrates how chemists apply the same principles used by Nature in these systems to produce molecular sensors and switches for applications in medicine and industry.

CHEM 3111 Organic Structure and Reactivity

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 1. **Classes:** 2hr lee & 4hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 synthesize them.

CHEM 3112 Materials Chemistry

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 1. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM 2401 and CHEM 2402. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 synthesize novel materials with desirable properties. The course will start with familiar molecules such as C60 and examine their solid states to understand how the nature of chemical bonding changes in the solid state, leading to new properties such as electronic conduction. This will be the basis for a broader examination of how chemistry is related to structure, and how structure is related to properties such as catalytic activity, mechanical strength, magnetism, and superconductivity. The symmetry of solids will be used 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.

CHEM 3113 Catalysis and Sustainable Processes

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 1. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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.

CHEM 3114 Metal Complexes: Medicine and Materials

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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.

CHEM 3115 Synthetic Medicinal Chemistry

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 implement-

ation, 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 cases studies such as anti-influenza (Relenza), anaesthetic (benzocaine), anti-inflammatory (Vioxx), antihypertensive (pinacidil) and cholesterol-lowering (Lovastatin) drugs.

CHEM 3116 Membranes, Self Assembly and Surfaces

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2hr lee & 4hr prac/week. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 the building blocks means that there are an enormous number of possibilities for stable aggregates with interesting chemical, physical and biological properties, many 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.

CHEM 3117 Molecular Spectroscopy & Quantum Theory

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 the student wishing 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.

CHEM 3910 Biomolecules: Properties & Reactions Adv

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee & 4 prac/wk. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 for studying the behaviour of biomolecules. The final section of the unit illustrates how chemists apply the same principles used by Nature in these systems to produce molecular sensors and switches for applications in medicine and industry.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM 3911 Organic Structure and Reactivity (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2hr lee & 4hr prac/wk. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 synthesize them.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM 3912 Materials Chemistry (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 synthesize novel materials with desirable properties. The course will start with familiar molecules such as C₆₀ and examine their solid states to understand how the nature of chemical bonding changes in the solid state, leading to new properties such as electronic conduction. This will be the basis for a broader examination of how chemistry is related to structure, and how structure is related to properties such as catalytic activity, mechanical strength, magnetism, and superconductivity. The symmetry of solids will be used to explain how their structures are classified; how they can transform between related structures when external conditions such as temperature, pressure and electric field are changed; and how this can be exploited in technological applications such as sensors and switches. Key techniques used to characterise solid-state materials will be covered, particularly X-ray diffraction, microscopy, and physical property measurements.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM 3914 Metal Complexes: Medic. & Mater. (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM 3915 Synthetic Medicinal Chemistry (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or ((2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 cases studies such as anti-influenza (Relenza), anaesthetic (benzocaine), anti-inflammatory (Vioxx), antihypertensive (pinacidil) and cholesterol-lowering (Lovastatin) drugs.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM 3916 Membranes, Self Assembly & Surfaces (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or (2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 the building blocks means that there are an enormous number of possibilities for stable aggregates with interesting chemical, physical and biological properties, many 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.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

CHEM 3917 Mol. Spectroscopy & Quantum Theory (Adv)

6 credit points. B A, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Session: Semester 2. **Classes:** 2hr lee & 4hr prac/wk. **Assumed Knowledge:** CHEM2401 and CHEM2402. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916 or (2403 or 2913) and MOBT2102)). **Assessment:** One 3hr 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 the student wishing 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.

Advanced students attend the same lectures as the normal-level students but with the addition of a special seminar series comprising one lecture a week for 12 weeks.

Chemistry Honours

A/Prof C J Kepert

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 [atwww.chem.usyd.edu.au/honours.html](http://www.chem.usyd.edu.au/honours.html).

Civil Engineering

The Department of Civil Engineering is part of the Faculty of Engineering. 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 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 assumed knowledge.

Double Degree

Some BSc graduates, who have passed all four of the above four units of study within the Department 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 Department 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 Faculty Building.

Computational Science

Computational Science unit coordinator: Dr Mike Wheatland
Computational Science is an interdisciplinary major offered within the BSc. It focuses on scientific problem solving using computers. It covers the formulation and analysis of problems, the use of software packages and programs to solve these problems computationally, simulations and modelling, mathematical and numerical analysis, high performance super-computing, graphics, visualisation and programming.

Graduates with computational science skills are in strong and increasing demand in scientific research, industry, government and finance, particularly for their analytic and problem solving skills and their specific expertise in computing.

The major in Computational Science can include a wide range of electives to suit individual interests, selected from computationally oriented offerings from various departments and schools from across the Faculty. Table 1 lists the core Senior units and electives, as well as Junior options. COSC units are described below. For descriptions of other units see their separate entries under the contributing school or department.

COSC 1001 Computational Science in Matlab

3 credit points. B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** May not be counted with COSC 1901.. **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study focuses on scientific problem solving and data visualisation using computers and is complementary to COSC 1002. 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.

Textbooks

Recommended reference:

Hahn, B.D Essential MATLAB for Scientists & Engineers, 2nd Ed, Butterworth-Heinemann, Oxford, 2002.

COSC 1901 Computational Science in Matlab (Adv)

3 credit points. B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed Knowledge:** HSC Mathematics. **Prerequisites:** UAI of at least 90, or COSC 1902, or a distinction or better in COSC 1002, SOFT (1001, 1002, 1901 or 1902). **Prohibitions:** May not be counted with COSC 1001.. **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study is the advanced version of COSC 1001 and is complementary to COSC 1902. The subject matter is very similar but more challenging problems will be covered and some additional programming and visualisation techniques will be used.

Textbooks

Recommended reference:

Hahn, B.D Essential MATLAB for Scientists & Engineers, 2nd Ed, Butterworth-Heinemann, Oxford, 2002.

COSC 1002 Computational Science in C

3 credit points. B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** May not be counted with COSC 1902.. **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study focuses on scientific problem-solving using computers and is complementary to COSC 1001. 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.

Textbooks

Recommended references:

Gottfried B. Schaum's Outlines Programming with C, McGraw-Hill 1996. Press, Teukolsky, Vetterling and Flannery, Numerical Recipes in C, The Art of Scientific Computing, 2nd edn, Cambridge Press 1992.

COSC 1902 Computational Science in C (Adv)

3 credit points. B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed Knowledge:** HSC Mathematics. **Prerequisites:** UAI of at least 90, or COSC 1901, or a distinction or better in COSC 1001, SOFT (1001, 1002, 1901 or 1902). **Prohibitions:** May not be counted with COSC 1002.. **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study is the advanced version of COSC 1002 and is complementary to COSC 1901. The subject matter is very similar, but more challenging problems will be covered and some additional programming techniques will be used.

Textbooks

Recommended references:

Gottfried B. Schaum's Outlines Programming with C, McGraw-Hill 1996. Press, Teukolsky, Vetterling and Flannery, Numerical Recipes in C, The Art of Scientific Computing, 2nd edn, Cambridge Press 1992.

Electrical Engineering

The School of Engineering is located in Building J03.

The School of Electrical Engineering website is:-

<http://www.ee.usyd.edu.au/ugrad/>

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.

Currently, Environmental Science can only be undertaken through the specialist degree, the Bachelor of Science (Environmental). For the requirements of this degree, please refer to the Table IB BSc(Environmental) entry. BSc(Environmental) students must do all of the ENVI units of study listed below.

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.

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.

ENVI 1002 Geomorphic Environments

6 credit points. B L W Sc, B Sc (Environmental), UG Study Abroad Program. Dr Stephen Gale. **Session:** Semester 1. **Classes:** 3 lee & prac/tut/wk. **Assessment:** One 2hr exam, class work.

NB: This unit of study is available to students in the Bachelor of Science (Environmental) and the Bachelor of Land & Water Science only.

This unit of study introduces Earth's geophysical environments, from the origin and development of the planet through to its evolution and structure. Following this, the unit investigates the evolution of the physical environment, with particular examination given to the hydrosphere and landforms.

ENVI 2111 Conservation Biology and Applied Ecology

6 credit points. B Res Ec, B Sc (Environmental), UG Study Abroad Program. Dr Dieter Hochuli. **Session:** Semester 1. **Classes:** 3 lee and 2 prac/week. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Biology.

Prohibitions: ENVI2001. **Assessment:** Essays, tute 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.

ENVI 2112 Atmospheric Processes and Climate

6 credit points. B Res Ec, B Sc (Environmental), UG Study Abroad Program. Dr Chris Dey, Prof Scott Kable. **Session:** Semester 2. **Classes:** 3 lee and 2 prac/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.

igated, 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.

ENVI 3111 Environmental Law and Ethics

6 credit points. B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc Agr, UG Study Abroad Program. Dr Gerry Bates/Dr Rachel Ankeny. **Session:** Semester 1. **Classes:** 4 lec/wk. **Assumed Knowledge:** Intermediate Environmental Science. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001, ENVI3003. **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.

ENVI 3112 Environmental Assessment

6 credit points. B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc Agr, UG Study Abroad Program. Dr John Dee/Dr Scott Kable. **Session:** Semester 2. **Classes:** 4 lec/wk. **Assumed Knowledge:** Intermediate Environmental Science. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3002, ENVT3004. **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.

ENVI 3113 Environmental Economics and Planning

6 credit points. B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Tihomir Ancev/Dr John Dee. **Session:** Semester 1. **Classes:** 4 lec/wk and 1 tut/wk. **Assumed Knowledge:** Intermediate Environmental Science. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001. **Assessment:** Essays, tutorial papers/reports, exam.

This unit of study covers topics in environmental economics and planning. The economics component will provide a general introduction to theoretical concepts and empirical work in natural resource and environmental economics. The basic economic concepts of consumption, choice, utility, production, costs, property rights, market failures, externalities and government institutions will be defined and discussed. A set of tools and methods that are used in resource and environmental economics practice will be introduced. These comprise optimisation, econometric and simulation models, as well as more specific methods such as benefit-cost analysis and non-market valuation methods. The concepts and tools will be applied to specific problems related to land and water. In particular, discussions will be focused on some of the following problems: agricultural and urban water supply and demand, water quality, land use, sustainable development. The planning component introduces the field of urban and regional planning and its application in Australia. The lectures cover a broad range of topics including urbanization, the scope of plan making, policy and implementation, development control measures, principles of environmental sustainability, indigenous development issues, and planning in regional and urban settings relevant to both the built and natural environment. The implications for planning in a liberal-pluralist political environment

and the need to reconcile a wide range of competing interests in land use and natural resources will also be investigated.

ENVI 3114 Energy and the Environment

6 credit points. B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Chris Dey. **Session:** Semester 2. **Classes:** 2 lec/wk, 1 tut/wk and 3 field trips. **Assumed Knowledge:** Junior Physics or Intermediate Environmental Science. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001, PHYS3600. **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.

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'.)

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 2 (MATH3015/3933) 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 is located within two buildings on the main campus's Eastern Avenue. The Edgeworth David Building houses staff with expertise in Geology and Geophysics as well as the office of the Head of School. Staff with expertise in Geography are located on the second floor of the Madsen Building.

All Geography, Geology and Geophysics enquiries can be made at either of the School's two administrative offices:

Edgeworth David building, Room 312, 8.30am - 4.30pm, Mon - Fri
Madsen Building, Room 469, 8.30am - 4.30pm, Mon - Fri

The School of Geosciences website is located at:
<http://www.geosci.usyd.edu.au/>

Geography

The School of Geosciences offers units of study in the discipline areas of Geography as well as Geology & Geophysics. Students may take a major in either of these disciplines. Geography is the study of earth as the home of people. It is a varied and versatile discipline that has become central to the sciences and social sciences over recent years. 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. Geographers use cutting-edge computer technologies such as Geographic Information Systems (GIS), remote sensing and the use of global databases, along with observation and survey techniques that involve fieldwork. As a student of geography at the University of Sydney, you will participate in an array of learning environments that complement traditional lecture and tutorial classes. These may include computer classes, laboratory-based practicals, and off-campus field trips to areas in Australia and overseas. Through these educational forums, students gain first-hand exposures to real-life problems. Students are encouraged to think critically about the world, and the relationships between people, environments and places. Through the development of critical thinking capabilities, practical skills and knowledge of contemporary global geographical debates, geography graduates are well-positioned in the job market across a range of professions.

The School is located in the Madsen Building on the main campus's Eastern Avenue. 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 (second floor, Madsen Building).

Geography Junior units of study

Geography offers two Junior units of study: Geography 1001 in the February Semester provides an introduction to physical geography, while Geography 1002 in the July Semester introduces human geography. Entry into both these units of study does not require any prior knowledge. Both units of study consist of three lectures and a two hour practical class per week. Morning lectures are repeated in the afternoon.

GEOG 1001 Biophysical Environments

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Gale & Dr Melissa Neave. **Session:** Semester 1. **Classes:** 3 lee & 3hr prac/wk. **Assessment:** One 2hr exam, 1500w report, prac assignments.

This unit of study provides an introductory explanation of the evolution of the physical world. It begins by considering the earth's place in the universe, its origin and its development, and the nature and evolution of the earth's structure. This is followed by an investigation of the evolution of the earth's physical environment and its development to its present stage over time. With this background, the unit of study goes on to examine the earth's hydrosphere and atmosphere and the major landforms produced by the interaction of atmospheric and ocean processes with the earth's surface, including fluvial, arid, coastal and glacial systems.

GEOG 1002 Human Environments

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Prof. Connell & Dr W Pritchard. **Session:** Semester 2. **Classes:** 3 lee & 3hr prac/wk. **Assessment:** One 2hr exam, 2000w essay, prac exercises.

This unit of study examines the political, cultural and economic processes that create the contemporary global society. The subject matter includes questions about the evolution of cities and regional economies, the social, economic and environmental consequences of globalisation, and the uneven development of countries across the globe. Examples of these issues are drawn from Australia and overseas, with a particular focus on the Asia-Pacific. This unit of study is designed to attract and interest students who wish to pursue geography as a major within their undergraduate career, but also has relevance to students wishing to understand the way geographers seek to understand the contemporary world. It includes a half day field trip to suburbs adjacent to the university, in order to observe processes of social and cultural change within Sydney's inner urban environments.

Geography Intermediate units of study

Geography intermediate units of study are listed below. A student would normally select two sequential units of study from one of the following three streams:

Physical Geography and Geomorphology (GEOG 2311 and GEOG 2321);

Environmental Geography (GEOG 2411 and GEOG 2421), or

Human Geography (GEOG 2511 and GEOG 2521).

Nevertheless, 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 these units that best meets their interests and aspirations.

GEOG 2311 Landscape Processes

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Deirdre Dragovich, Professor Andy Short. **Session:** Semester 1. **Classes:** 2 lee, 2hr prac/wk, fieldwork. **Prerequisites:** 36cp of Junior units of study, including GEOG1001 or ENVI (1001 or 1002), or GEOL (1001 or 1002). Students enrolled in the Bachelor of Resource Economics should have 36cp from Junior units of study in Biology (or Land and Water Science), Chemistry and Mathematics. **Prohibitions:** GEOG2001. **Assessment:** One 2hr exam; prac reports; 2000w assignment.

This unit of study is concerned with the morphology and evolution of landscapes and the processes that have formed them. Attention will be directed towards slopes, the basic units of landscapes, and the processes leading to slope development and change in different environments. Landscape features will be examined in relation to evidence of past and present process regimes, especially the way in which these regimes are influenced by climate. Field and practical work will involve interpreting landscapes in the Sydney Region. Other geomorphological environments to be considered are glacial landscapes, periglacial landscapes, karst landscapes, and aeolian (desert) landscapes.

GEOG 2321 Fluvial and Groundwater Geomorphology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B L W Sc, B Res Ec, B Sc, B Sc (Environmental), UG Study Abroad Program. Dr Melissa Neave. **Session:** Semester 2. **Classes:** 2 lee & 2 hour prac/week. **Prerequisites:** GEOG(2311 or 2001) or 36 credit points of Junior study including GEOG 1001 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 (2001) & Knighton (1998)

GEOG 2411 Environmental Change and Human Response

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Deirdre Dragovich & Dr Eleanor Bruce. **Session:** Semester 1. **Classes:** (2 lee, 2 prac)/wk, fieldwork. **Prerequisites:** 36 cp of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or GEOL (1001 or 1002). **Prohibitions:** GEOG2101. **Assessment:** One 2hr exam; 1500w prac report; 1500w assignment.

Environmental change occurs at time scales from seconds to centuries or longer, from the sudden and catastrophic to gradual transformations barely noticeable at human time scales. Some kinds of environmental change are caused largely by humans, but in other cases humans are unable to control the forces of nature. Environmental change is explored in these different categories, including land degradation and desertification, and salinity; and how humans are both implicated in these problems and respond to them. Included in the unit of study will be a variety of techniques for the analysis of environmental problems, especially the use of geographic information systems (GIS) as a way to organise, integrate and interpret spatial information. We will also consider some fundamental questions that

emerge from the use of GIS techniques in spatial analysis including the representation of spatial features, handling data uncertainty and decision support.

GEOG 2421 Resource and Environmental Management

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Philip McManus. **Session:** Semester 2. **Classes:** (2 lee, 1 tut, 1 prac)/wk; fieldwork. **Prerequisites:** 36cp of Junior Units of Study, including GEOG (1001 or 1002) or ENVI (1001 or 1002). **Prohibitions:** GEOG2102. **Assessment:** One 2hr exam, 2000w essay, field report, tutorial paper, prac report.

This unit of study forms an intermediate level treatment of environmental geography and natural resource management. It is designed to evaluate human interaction with the biophysical environment and use of the earth's surface and its resources. Emphasis is upon human impacts on environments through social, economic and political processes and through deliberate decision making and management. Policy responses are considered at a range of scales. The unit of study examines the nature and characteristics of selected resource processes with reference to Australian and other national and international contexts, and, on a more global and regional scale, focuses on the changing relationship between people and environments in tropical Asia and the Pacific. A field trip is integral to the unit of study.

GEOG 2511 Economic and Political Geography

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Bill Pritchard. **Session:** Semester 1. **Classes:** (2 lee, 2 prac)/wk. **Prerequisites:** 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002). **Prohibitions:** GEOG2201. **Assessment:** One 2 hr exam; 2000w essay, tutorial papers, prac reports.

This unit of study asks why economic development occurs where it does. It raises questions about issues such as globalisation, the capacity for trade and investment to contribute to global economic growth, and the roles of multinational corporations in the global economy. Major lines of thinking about these issues are introduced and subjected to critical examination. In practical classes, students are exposed to key tools in economic geography, including the use of GIS to map patterns of employment and economic change, and the ways in which researchers can analyse corporate behaviour. This unit of study does not require assumed knowledge of economics. Rather, it uses the insights and perspectives of human geography to critically debate regional, national and global economic issues.

Textbooks

Recommended: Dicken, P. (2003) *Global Shift* (SAGE, London)

GEOG 2521 Urban and Cultural Geography

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof John Connell & Dr Kurt Iveson. **Session:** Semester 2. **Classes:** 2 lee, 2hr prac/wk. **Prerequisites:** 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002). **Prohibitions:** GEOG2202. **Assessment:** One 2 hr exam, 2000w essay, prac reports.

By their very nature, cities are full of different people doing all sorts of different things. These activities all have their own geographies - people make the most of spaces available to them, and they shape and produce new kinds of urban space through their actions. However, these geographies are neither stable nor uncontested. Sometimes, groups of people clash with each other and with urban authorities in trying to make space for different cultural practices.

This unit of study focuses on the construction of urban and cultural processes in developed countries, with particular attention to Australia. There is an emphasis on the ways that social constructions such as gender, class and ethnicity are manifested spatially. Attention is also given to the spatial character of phenomena such as religion, music, migration and creativity. At the completion of this unit of study, students will possess an awareness of key geographical debates in these fields, as well as a practical understanding of the social and cultural processes which come together to create contemporary urban societies.

Geography Senior units of study

Students may select from any of the units listed below. The requirements for a Major in Geography are defined in Table 1. As with intermediate units, students normally take senior units of study in one of four overlapping streams, Geomorphology, Environmental Geography, Human Geography, and Geographic computer methods, although students may construct sequential ordering of these units that best meets their interests and aspirations:

Geomorphology: GEOS3009/ GEOS3909 (Coastal Environments & Processes); GEOS3015/GEOS3915 (Environmental Geomorphology), GEOS3016/ GEOS3916 (Seafloor Processes & Imaging) Environmental Geography: GEOS3017/GEOS3917 (Global Energy-Exploration & Exploitation), GEOS3014/GEOS3914 (GIS in Coastal Management), GEOS3018/GEOS3918 (Rivers: Science, Policy and Management), GEOS3511/GEOS3911 (Understanding Australia's Regions)

Human Geography: GEOS3053/GEOS3953 (Asia-Pacific field school-Assessment A), GEOS3054/GEOS3954 (Asia-Pacific field school-Assessment B), GEOG3522/GEOG3922 (Cities and citizenship), GEOS3521/GEOS3921 (Sustainable Cities), GEOS3512/GEOS3912 (Contemporary Global Geographies) Geographic computer methods: GEOS3014 (GIS in Coastal Management), GEOS3007 (Remote Sensing: Imaging the Earth) GEOS3016 (Seafloor Processes & Imaging).

GEOS 3009 Coastal Environments & Processes

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof Andy Short, Dr Michael Hughes. **Session:** Semester 1. **Classes:** 2hr lee & 2hr prac/wk, weekend excursion. **Prerequisites:** (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:** GEOS3909, MARS3003, MARS3105. **Assessment:** One 2hr exam, two 1500w reports. *NB: * 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 first half of this unit focuses on high-energy wave and wind dominated coastal systems; in particular the beach-surf zone, dunes and barriers, including their Holocene/Quaternary evolution. The regional impact of waves, tides, embayments, and other environmental parameters in controlling morphology are addressed. The second half of this unit focuses on the smaller-scale processes controlling beach-surf zone morphology. In particular, how waves and currents drive beach and bar morphodynamics via sediment transport. The practical program uses real data sets collected during recent research programs and during a weekend field excursion, and they address issues specifically relevant to Australia's coastline.

Textbooks

Recommended:

Short, A D (ed). 1999, *Beach and Shoreface Morphodynamics*. John Wiley & Sons, Chichester, 379 pp.

Course notes will be available from the Photocopy Centre.

GEOS 3909 Coastal Environments and Processes (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Prof Andy Short & Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lee, 6 hr prac/wk, 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 2hr exam, two 1500w reports.

NB: 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, practical, assignments and tutorials.

GEOS 3014 GIS in Coastal Management

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Eleanor Bruce, Dr Peter Cowell. **Session:** Semester 2. **Classes:** 3hr lee & 2hr prac/wk. **Prerequisites:** MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. **Prohibitions:** GEOS3914, MARS3104. **Assessment:** One 2hr exam, 2 project reports, quizzes.

*NB: * 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 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, P.A. and McDonnell, R.A., 1998. Principles of Geographical Information Systems: Spatial information systems and geostatistics. Oxford University Press, Oxford, 333 pp.

GEOS 3914 GIS in Coastal Management (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Peter Cowell & Dr Eleanor Bruce. **Session:** Semester 2. **Classes:** 2 lee, 3 hr prac/wk comprising 1x1hr prac. demonstration and 1x2 hr prac. **Prerequisites:** Distinction average in 12 credit points of intermediate geography or geology units or 12 credit points of intermediate marine science units. **Prohibitions:** GEOS3014, MARS3104. **Assessment:** One 2hr exam, 1 x 2 hr exam, project work, 2 x prac-based project reports, biweekly progress quizzes.

NB: 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.

Advanced students will complete the same core lecture material as for GEOS3014, but will carry out more challenging projects, practical, assignments and tutorials.

GEOS 3015 Environmental Geomorphology

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Professor Deirdre Dragovich, Dr Stephen Gale. **Session:** Semester 2. **Classes:** 2hr lee, 1hr tut & 2hr prac/wk or equivalent. **Assumed Knowledge:** Intermediate geomorphology/physical geography/ geology. **Prerequisites:** 24 credit points of Intermediate units, including 6 credit points of Intermediate Geography. **Prohibitions:** GEOS3915. **Assessment:** One 2hr 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.

GEOS 3915 Environmental Geomorphology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. A/Prof Deirdre Dragovich & Dr Stephen Gale. **Session:** Semester 2. **Classes:** (3 lee, 6 prac)/wk, 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 2hr exam, two 1500w essays, prac and field reports.

NB: Department permission required for enrolment.

Advanced students will complete the same core lecture material as for GEOS3015, but will carry out more challenging projects, practical, and field reports.

GEOS 3018 Rivers: Science, Policy and Management

6 credit points. B A, B L W Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Mel Neave. **Session:** Semester 1. **Classes:** 2 lee, 1 tut, 8prac/wk, 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 hr 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., 2004. Stream Hydrology: An Introduction for Ecologists.

GEOS 3918 Rivers: Science and Management (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Melissa Neave. **Session:** Semester 1. **Classes:** 2 lee, 1 tut, 8 prac/wk, 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 2hr exam, two 1500w essays.

Advanced students will complete the same core lecture material as for GEOS3018, but will carry out more challenging projects, practical, assignments and tutorials.

GEOS 3511 Understanding Australia's Regions

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Bill Pritchard. **Session:** Semester 1. **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOS3911. **Assessment:** One 2 hr exam; 2000w essay, tutorial papers, fieldtrip or alternative report.

Regional difference in Australia is becoming more acute. Australia is becoming more acute. This has major implications for the life chances and economic prospects of people across Australia. This unit of study examines these issues, using extensive case study material and introducing students to new approaches in regional development theory to account for and explain this state of affairs. A non-compulsory field trip of approximately five days duration to rural Australia is a component of this unit. (Students who cannot or who do not wish to attend the trip complete an alternative assignment.) This unit provides students with a solid grounding for graduate employment or further studies in the field of regional development.

Textbooks

Beer, A., Maude, A. & Pritchard, B. (2003) Developing Australia's Regions (UNSW Press, Sydney).

GEOS 3512 Contemporary Global Geographies

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 1 x 2h lee, 1 x 1hr tut, 1 x 2hr prac/week. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. **Prohibitions:** GEOS3912. **Assessment:** 1 x 2hr exam, 1 x 2000 word essays, 1 x 3000 word practical report, tutorial participation.

This unit of study provides students with detailed exposure to contemporary thematic areas of human geography research. It seeks to apply the conceptual material introduced in intermediate human geography units of study to 'real-life' research problems, as a platform for engaging students with research issues, frameworks, conceptual debates, methods, and problem-solving techniques. For 2006 the content of this unit of study will involve assessment of the geographical implications of tourism. Lectures and practical classes will cover relevant conceptual and methodological issues, and will involve economic, cultural, political and environmental themes. It will primarily focus on Australia and the Asia-Pacific region.

GEOG 3521 Sustainable Cities

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Phil McManus. **Session:** Semester 2. **Classes:** 2 lee + 2 prac/tut 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 hr exam; 2000w essay, tutorial papers, prac reports.

This unit of study involves an integrated series of lectures, practicals and field visits. It 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.

GEOG 3921 Sustainable Cities (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Phil McManus. **Session:** Semester 2. **Classes:** 2 lee & 2 hr prac/tut 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 hr exam; 2000w essay, tutorial papers, prac reports.

Advanced students will complete the same core lecture material as for (UoS code), but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS 3522 Cities and Citizenship

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Kurt Iveson. **Session:** Semester 2. **Classes:** 2hr lee, 1hr tut & 2hr prac/wk. **Prerequisites:** 6 credit points of intermediate geography. **Prohibitions:** GEOG3203, GEOS3922. **Assessment:** One 2 hr 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 module explores the urban dimension of contests over the meaning of citizenship. The first half of the module will consider historical configurations of urban citizenship, from the Greek city-states of antiquity through to imperial, colonial and industrial cities. The second half of the module 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.

GEOS 3922 Cities and Citizenship (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Kurt Iveson. **Session:** Semester 2. **Classes:** 2 lee & 2 hr prac/wk. **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 hr 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.

GEOS 3053 Asia-Pacific Field School-Assessment A

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Phil Hirsch. **Session:** SI Intensive. **Classes:** 5 weeks intensive. 8 modules of 3 lectures each; 10 full days' equivalent fieldwork; 20 hours small group work. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. **Corequisites:** GEOS3054. **Prohibitions:** GEOG3201, GEOS3953. **Assessment:** One tutorial paper, one extended field report.

NB: Department permission required for enrolment. Students must contact the unit coordinator no later than the end of June 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 five- week period in January-February, prior to the commencement of the semester. In 2006 the Field School will be held in Thailand, Laos and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). It is run in close association with local universities, whose staff and students participate in some components of the course. It focuses on environmental and development issues in the context of rapid social change. Places are limited, and students interested in the 2007 Field School should indicate expression of interest tojconnell@mail.usyd.edu.au before the end of June 2006.

GEOS 3953 Asia-Pacific Field School-A (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics). **Session:** SI Intensive. **Classes:** 5 weeks intensive. 8 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. **Corequisites:** GEOS3954. **Prohibitions:** GEOS3053. **Assessment:** Fieldwork reports.

NB: Department permission required for enrolment. Students must contact the unit coordinator no later than the end of June 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. Advanced students will carry out more challenging fieldwork reports.

GEOS 3054 Asia-Pacific Field School-Assessment B

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Phil Hirsch. **Session:** SI Intensive. **Classes:** 5 weeks intensive. 8 modules of 3 lectures each; 10 full days' equivalent fieldwork; 20 hours small group work. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. **Corequisites:** GEOS3053. **Prohibitions:** GEOG3201, GEOS3954. **Assessment:** Two tutorial papers, one exam.

NB: Department permission required for enrolment. Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.

The unit of study can be taken only in coincidence with GEOS 3053 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a five- week period in January-February, prior to the commencement of the semester. In 2006 the Field School will be held in Thailand, Laos and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). It is run in close association with local universities, whose staff and students participate in some components of the course. It focuses on environmental and development issues in the context of rapid social change. Places are limited, and students interested in the 2007 Field School should indicate expression of interest tojconnell@mail.usyd.edu.au before the end of June 2006.

GEOS 3954 Asia-Pacific Field School-B (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics). A/Prof Phil Hirsch. **Session:** SI Intensive. **Classes:** 5 weeks intensive. 8 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. **Corequisites:** GEOS3953. **Prohibitions:** GEOS3054. **Assessment:** Fieldwork reports.

NB: Department permission required for enrolment. Students must contact the unit coordinator no later than the end of June in the year before taking this Unit.

The unit of study can be taken only in coincidence with GEOS3953 and with prior permission from the unit of study coordinator. Advanced students will carry out more challenging fieldwork reports.

Geography Honours

Offered: February and July. Students contemplating Geography Honours will be invited to complete a preliminary registration form in the July Semester.

Following the publication of the July semester

Senior Geography unit of study results, those eligible students who have preregistered will be invited to formally enrol. They are required to consult the Head of Geography as soon as possible after the publication of the results concerning choice of topic and the appointment of a staff supervisor. Preliminary work should begin shortly after the publication of these results.

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.

Geology and Geophysics

The School of Geosciences offers units of study in the discipline areas of Geology & Geophysics as well as Geography. Students may take a major in either of these disciplines. Geology & 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 & 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.

The School is located in the Madsen Building on the main campus's Eastern Avenue. 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 (second floor, Madsen Building).

Geology & Geophysics Junior units of study

Geology and Geophysics offers two Junior units of study: Geology 1001 in the February Semester and Geology 1002 in the July Semester. Entry into both these units of study does not require any prior knowledge. Both units of study consist of three lectures and three hours of laboratory work per week.

GEOL 1001 Earth and its Environment

6 credit points. B A, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Prof P Davies (Co-ordinator). **Session:** Semester 1. **Classes:** 3 lee & prac or tut/wk. **Assumed Knowledge:** No previous knowledge of Geology assumed. **Prohibitions:** GEOL1501. **Assessment:** One 2hr exam, class and field work.

The aim of this unit of study is to provide students with an understanding of how the Earth system works, its origin, plate tectonics, surface processes, evolution of life and geologic time. The crises in resources and fossil fuel and implications for our economy will be discussed. Our own impact on the Earth will be assessed, together with the role of geologists in protecting and monitoring the environment. Students will learn the techniques used to decipher the history and evolution of the Earth, and dating sediments and rocks. Laboratory classes and a one day field trip in the Sydney region will involve exercises in observing and describing Earth materials and in interpreting Earth history from geological information, including fossils and maps.

GEOL 1002 Earth Processes and Resources

6 credit points. B A, B E, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Tom Hubble (Co-ordinator). **Session:** Semester 2. **Classes:** 3 lee & prac or tut/wk. **Assumed Knowledge:** No previous knowledge of Geology assumed. **Prohibitions:** GEOL1501. **Assessment:** One 2hr exam, class and field work.

This unit of study examines the chemical and physical processes involved in mineral formation, volcanoes, and metamorphism. Lectures and laboratory sessions on mountain building processes and the formation of ore deposits will lead to an understanding of the driving forces in geology that originate deep within the Earth's interior. 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 weekend field excursion to Lithgow. Students will be required to pay hostel accommodation for one night on the Lithgow excursion. Continuing students may also enrol in an optional post-semester field excursion to volcanic terranes of New Zealand (North Island).

GEOL 1501 Engineering Geology 1

6 credit points. B E. **Session:** Semester 2. **Classes:** 39 hrs lee, 26 hrs lab. Field excursions in the Sydney region, as appropriate. **Assumed Knowledge:** No previous knowledge of Geology assumed. **Prohibitions:** GEOL 1002. **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

T West, *Geology Applied to Engineering*; or
A Holmes, *Principles of Physical Geology* 4th Edition.

GEOL 1902 Earth Materials and Resources (Advanced)

6 credit points. B A, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Dr Geoff Clarke. **Session:** Semester 2. **Classes:** (3 lee, 3 prac)/wk, fieldwork. **Assumed Knowledge:** No previous knowledge of Geology assumed. **Prohibitions:** GEOL1002. **Assessment:** One 2 hour exam, prac reports.

NB: Department permission required for enrolment. Departmental permission is required for enrolment; a UAI above 93 or a Distinction in GEOL1001 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 GEOL1002 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. This unit of study may be taken as part of the BSc (Advanced).

Geology and Geophysics Intermediate units of study

Intermediate Geology & Geophysics units of study build on the material presented in junior units of study and present a balanced and wide-ranging coverage of the discipline with a focus on geological environments, plate tectonics, geological materials, climate change, field data collection and life through time. Students wishing to take a major in Geology & Geophysics should enrol in GEOL2111 & GEOL2123, or their advanced equivalents GEOL2911 & GEOL2923 which require permission of the unit of study coordinators. Students are also encouraged to enhance their knowledge of the discipline by taking GEOL2112 and GEOL2124. Lectures, practicals, and field excursions are compulsory components of all six of these units of study.

GEOL 2111 Volcanic Hazards and Solutions

6 credit points. B A, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Derek Wyman. **Session:** Semester 1. **Classes:** 2 lectures, 1 tutorial and two 2-hour pracs per week for first five weeks; 2 lectures and one 2-hour prac per week for remaining weeks. **Prerequisites:** GEOL 1002 or ENV11002 or equivalent and 24 credit points of Junior Science units of study. **Prohibitions:** GEOL2001, CIVL2409. **Assessment:** One 2 hour exam, practical reports, group presentation, field work.

This unit expands upon the concepts introduced during the Junior units of study in Geology and uses a problem solving approach to investigate geological processes and materials that are important for Australia and the Pacific region. Igneous systems are examined as the basis for strategies that identify, predict, and mitigate volcanic hazards. The unit of study develops a thorough understanding of the analytical techniques applied to evaluating these hazards and provides

students with the knowledge required to integrate geochemical and geological data. The unit includes a two- to three-day field trip to study an extinct volcano in NSW. A field excursion to volcanic terranes of New Zealand (North Island) is optional.

Textbooks

Printed notes are available.

GEOL 2112 Environmental Geology and Climate Change

6 credit points. B A, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Gavin Birch, Prof Peter Davies. **Session:** Semester 1.

Classes: (2 lee, 2 prac)/wk, fieldwork. **Prerequisites:** 24 credit points of Science units of study. **Prohibitions:** GEOL2004. **Assessment:** One 2 hr exam, practical reports, group presentation, fieldwork report.

The Earth Sciences provide an essential framework for understanding environmental changes that arise from short-term and long-term geological processes. This unit of study introduces students to important geological phenomena that can impact detrimentally on society and the environment. As the welfare of much of the world's population is sensitive to climate change, a major component of the course will include an examination of global climate change over a variety of timescales ranging from millions of years to tens of years. The record of recent climate change and projections of future climate change will be reviewed in the context of their natural and human causes.

GEOL 2123 Geological Methods

6 credit points. B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof. Peter Hatherley. **Session:** Semester 2. **Classes:** (2 lee, 2 prac)/wk, fieldwork.

Assumed Knowledge: Ability to identify common rocks and rock-forming minerals; ability to read and interpret simple geological maps and predict 3D relationships from a map; knowledge of the geological time scale; cognizance of the main chemical and physical processes involved in: mineral formation; modification of the interior of the Earth; common surface processes and sedimentary environments; volcanoes; and metamorphism. **Prerequisites:** GEOL (2111, 2911 or 1501) and 18 credit points of Engineering or Science units of study. **Prohibitions:** GEOL (2202 or 2002 or 2005). **Assessment:** One 2 hour exam, prac reports, field report.

This unit of study develops student's knowledge of the techniques employed in geological and geophysical investigations. Students will enhance their understanding of common geological environments and the physical, chemical, and biological processes that form sedimentary rocks, metamorphic rocks, and natural resources. This knowledge will then be applied to developing three-dimensional geological models and solving geological problems in the field and laboratory. The unit will include a five-day excursion to the Canberra area. Students will be required to pay the cost of hostel accommodation.

GEOL 2124 Fossils and Time

6 credit points. B A, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Dietmar Müller, Dr Julie Dickinson. **Session:** Semester 2. **Classes:** (2 lee, 2hr prac)/wk. **Prerequisites:** 24 credit points of Junior Science units of study. **Prohibitions:** GEOL2003, CIVL2409. **Assessment:** One 2 hour exam, prac reports, group presentation.

This palaeontology and stratigraphy unit of study is aimed at geoscientists, archaeologists, biologists, marine and environmental scientists who use fossils or stratigraphic data to determine ages, environments or evolutionary lineages. It provides an overview of fossil biodiversity, concentrating on invertebrate animals but also covering vertebrates, plants and microorganisms, with the emphasis on those groups that are most environmentally or stratigraphically useful. It also considers the main methods of stratigraphic correlation and age determination, concentrating on litho- and bio-stratigraphy but also covering the more modern techniques of chemo-, magneto- and sequence-stratigraphy as well as radiometric age dating.

Textbooks

Printed notes are available.

GEOL 2911 Volcanic Hazards & Solutions (Advanced)

6 credit points. B A, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Derek Wyman. **Session:** Semester 1. **Classes:** 2 lectures, 1 tutorial and 2-hour pracs for first five weeks; 2 lectures and 2-hour prac for remaining weeks; and fieldwork. **Prerequisites:** GEOL (1002 or 1902) or ENV11002 or equivalent. **Prohibitions:** GEOL2111, GEOL2001. **Assessment:** One 2 hour exam, practical reports, group presentation, field work.

NB: Department permission required for enrolment. Department permission required for enrolment. 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 GEOL2111 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. This unit of study may be taken as part of the BSc (Advanced).

GEOL 2923 Geological Methods (Advanced)

6 credit points. B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Geoff Clarke. **Session:** Semester 2. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Prerequisites:** GEOL2111 or GEOL2911. **Prohibitions:** GEOL2123. **Assessment:** One 2 hr exam, prac and field reports, group presentation.
NB: Department permission required for enrolment. Department permission required for enrolment. 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 GEOL2123 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. This unit of study may be taken as part of the BSc (Advanced).

MARS 2005 Global Oceans (Introduction)

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lec/wk + 6 tutorials/sem + 1 day field trip. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Prohibitions:** MARS2001. **Assessment:** One 2hr exam, assignments.

NB: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.

This course is split into two sections: physical and geological oceanography. Major physical oceanography topics include the physical and chemical properties of ocean water, ocean circulation, waves and tides. Major geological oceanography topics include the origins and geological history of ocean basins, ocean volcanism, sediments and continental margins. Both the regional oceanography and continental shelf of Australia are emphasised. Although this is principally a lecture-based course, you will receive feedback on your understanding of the course content through regular assignments and six tutorials. The learning outcome you should expect at the end of the course is a broad knowledge of the fundamental concepts in physical and geological oceanography, and their particular relevance to the Australasian region. This provides the necessary background for senior-level Marine Science courses in which you will learn more advanced concepts, and also become involved in the practical and field-based aspects of marine science.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall

MARS 2905 Global Oceans (Introduction) (Advanced)

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lec/wk + 6 tutorials/sem + 1 day field trip. **Prerequisites:** 24 credit points of Junior Science units. **Prohibitions:** MARS2005, MARS200L. **Assessment:** One 2hr exam, 8 assignments, participation in field trip activities.

NB: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2005, while sharing the same lectures. The content and nature of these components may vary from year to year.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall.

Geology and Geophysics Senior units of study

Students may select from any of the units listed below. Those who complete a major in this discipline are well-prepared for a variety of careers and generally gain employment with government bodies or commercial organisations with interests in areas such as resource exploration, finance, environmental management, construction, education and research. The requirements for a Major in Geology & Geophysics are defined in Table 1. The following suggested combinations of senior units of study are provided to assist students who wish to pursue a professional career in a particular area of Geology & Geophysics. Students are advised that most employers regard completion of an Honours year to be the entry level to the profession and should note that the field studies unit GEOL3008 or GEOL3908 is a compulsory component of the Geology & Geophysics major.

Students can select Units from the four streams to obtain vocational training for careers in Resource Exploration, geological hazard management or environmental and engineering site investigation, computer methods in geology and geophysics, or a more general training, as outlined below:

Resource Exploration: GEOS3008/3908 (Geology field school), GEOS3004/3904 (Geophysics, Imaging, Oil/Ore Production), GEOS3006/3906 (Mineral Deposits) and one of GEOS3003 (Dynamics of Continents and Basins), GEOS3007/GEOS3907 (Remote Sensing: Imaging the Earth), and GEOS3016/ GEOS3916 (Searfloor Processes & Imaging) or GEOS3017/GEOS3907 (Global Energy-Exploration & Exploitation);

Geological hazard management or environmental and engineering site investigation: GEOL3008/3908 (Geology field school), GEOS3003/ GEOS3903 (Dynamics of Continents and Basins), GEOS3004/3904 (Geophysics, Imaging, Oil/Ore Production) and GEOS3007/3907 (Remote Sensing: Imaging the Earth).

Computer methods in geology & geophysics: GEOS3008/3908 (Geology field school), GEOS3004/ GEOS3904 (Geophysics, Imaging, Oil/Ore Production), GEOS3007/ GEOS3907 (Remote Sensing: Imaging the Earth), GEOS3014/GEOS3914 (GIS in Coastal Management), GEOS3016/GEOS3016 (Searfloor Processes & Imaging).

General training: GEOS3008/3908 (Geology field school), GEOS3003 (Dynamics of Continents and Basins) and GEOS3007/3907 (Remote Sensing: Imaging the Earth) as well as one of GEOS3009 (Coastal Environments & Processes), GEOS3017 (Global Energy-Exploration & Exploitation), GEOS3006 (Mineral Deposits), GEOS3007 (Remote Sensing: Imaging the Earth), and GEOS3018/ GEOS3918 (Rivers: Science, Policy & Management).

GEOS 3003 Dynamics of Continents and Basins

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. A/Prof Dietmar Muller, Dr Patrice Rey. **Session:** Semester 1a. **Classes:** 4 hrs lectures, practicals per week, excursion. **Prerequisites:** (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:** GEOL3101, GEOS3903. **Assessment:** One 2 hr theory exam, class work.

The Earth's crust hosts mineral and energy resources that have sustained our civilisation over the past five thousand years. These resources are formed along plate boundaries and in sedimentary basins. They are the by-products of dynamic and thermal processes that have affected the lithosphere since its formation in the Archaean. This unit focuses on the understanding the thermal and mechanical aspects of lithospheric deformation and basin formation and evolution. The main topics of this module include: Mantle convection, oceanic lithospheric evolution, heat transfer in the lithosphere; Isostasy and vertical motion of the Earth's surface; Plate boundaries, body forces and the dynamic of the Earth's lithosphere; Rheology of the lithosphere; Continental break-up and the formation of continental margins and basins; Thermo-mechanics of sedimentary basins; Thermo-mechanics of orogenesis; and, Thermal consequences and tectonic feedback of geodynamic processes. Practical classes are designed to enhance computational and communication skills as well as building a profound knowledge in Tectonics and Geodynamics. The course is relevant to all students interested in using computational methods to learn how the Earth works.

GEOS 3903 Dynamics of Continents & Basins (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. A/Prof Dietmar Muller, Dr Patrice Rey. **Session:** Semester 1. **Classes:** 4 hrs lectures, practicals per week, excursion. **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:** GEOL3101, GEOS3003. **Assessment:** 2 hr theory exam, class work.

NB: A Distinction 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 GEOS3003 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. This unit of study may be taken as part of the BSc (Advanced).

GEOS 3004 Geophysics, Imaging, Oil/Ore Production

6 credit points. B A, B Sc, B Sc (Environmental), UG Study Abroad Program. Prof Iain Mason. **Session:** Semester 2a. **Classes:** (12 hrs lecs, pracs)/wk. **Prerequisites:** 12 credit points of Intermediate Science units of study or CIVL2409. **Prohibitions:** GEOP3202, GEOS3904. **Assessment:** 2 hr theory exams, computer class work.

This unit examines the use of computerised geophysical techniques to map high value sites. Sites of interest range from oil fields through mine sites to archaeological digs. Data sources include micro-gravity surveying, magnetism and aero-magnetism; radiometry, short- and long-range surveillance and tracking. The course is designed around the reality that while people, as much as data acquisition and reduction technology have influenced modern geophysics, recently, major strides have been made in digital data acquisition and reduction. Lectures deal with the creation, inversion and application of 2D and 3D potential and wave fields. Lab classes extend skills in computer aided image processing.

GEOS 3904 Geophysics, Imaging, Oil/Ore Prod (Adv)

6 credit points. B Sc, B Sc (Environmental), UG Study Abroad Program. Prof Iain Mason. **Session:** Semester 2a. **Classes:** 12 hours per week lectures, practical, computer-based exercises. **Prerequisites:** Distinction average in 24 credit points of Intermediate Science Units, or Distinction in (GEOL2923 or CIVL2409). **Prohibitions:** GEOL3202, GEOS3004. **Assessment:** 2 hr theory exams, practicals per week.

NB: Department permission required for enrolment. 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 GEOS3004 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 the 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).

GEOS 3006 Mineral Deposits & Spatial Data Analysis

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Derek Wyman. **Session:** Semester 2b. **Classes:** (12 hrs lects, pracs)/wk, field excursion. **Prerequisites:** 12 credit points of Intermediate Science units of study or CIVL2409. **Prohibitions:** GEOL3103, GEOS3906. **Assessment:** 2 hr theory exams, class work and field reports.

Global-scale tectonics and continental growth are examined in terms of their relationships to mineral deposits over the last 3.5 billion years. Deposits of metals and precious gems are linked to igneous rocks and hydrothermal fluids, which provide the basis for exploration strategies, account for specific ore deposit characteristics, and determine appropriate mining techniques. Representative ore deposits from New South Wales, Australia, and overseas will be included as case studies for a wide array of mineralisation types. Practical components of the course will introduce specimens of ore deposits and associated rocks and the spatial analysis of geological data at the global to district scale. In addition to laboratory classes there will be a four-day field excursion to active and historic mining sites in New South Wales.

GEOS 3007 Remote Sensing: Imaging the Earth

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Geoff Clarke. **Session:** Semester 1b. **Classes:** (12 hrs of lects, pracs)/wk. **Prerequisites:** 12 credit points of Intermediate Science units of study or CIVL2409. **Prohibitions:** GEOL3101. **Assessment:** Practical work, a 2-hour computer-based examination and an assignment.

This unit of study initially addresses the evolution of the Australian landscape, involving tectonic influences, long-term climate variation and the effects of bedrock weathering. The unit then provides a comprehensive introduction to the use and manipulation of computer-based imaging techniques at the microscopic to macroscopic scales in the Earth Sciences. The application of image analysis as a tool in the interpretation of remote sensing techniques to geological terranes and landscapes is covered in computer-based practical exercises that use a mixture of Landsat thematic mapper, airborne radiometric and magnetic databases. Integrated lectures and laboratory exercises focus on the use of processed images in mineral exploration, tectonic analysis, and environmental studies.

GEOS 3907 Remote Sensing: Imaging the Earth (Adv)

6 credit points. B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Geoff Clarke. **Session:** Semester 1b. **Classes:** (12 hrs lects, pracs)/wk. **Assumed Knowledge:** GEOL (2001 or 2202). **Prerequisites:** Distinction average in 16 credit points of Intermediate Science subjects or CIVL2409. **Prohibitions:** GEOL3101 or GEOS3007. **Assessment:** One 2-hour exam, prac. reports, and assignments.

This unit has the same objectives as GEOS3007 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. This unit of study may be taken as part of the BSc (Advanced).

GEOS 3008 Field Geology and Geophysics

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Patrice Rey, Prof Peter Hatherley. **Session:** S2 Intensive. **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.

GEOS 3908 Field Geology and Geophysics (Advanced)

6 credit points. B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Geoff Clarke. **Session:** S2 Intensive. **Classes:** 14 days of fieldwork. **Prerequisites:** Distinction average in 12 credit points of Intermediate GEOS units. **Prohibitions:** GEOS3008. **Assessment:** Written reports and field exercises.

NB: Department permission required for enrolment. 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).

GEOS 3009 Coastal Environments & Processes

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof Andy Short, Dr Michael Hughes. **Session:** Semester 1. **Classes:** 2hr lee & 2hr prac/wk, weekend excursion. **Prerequisites:** (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:** GEOS3909, MARS3003, MARS3105. **Assessment:** One 2hr exam, two 1500w reports. *NB: * 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 first half of this unit focuses on high-energy wave and wind dominated coastal systems; in particular the beach-surf zone, dunes and barriers, including their Holocene/Quaternary evolution. The regional impact of waves, tides, embayments, and other environmental parameters in controlling morphology are addressed. The second half of this unit focuses on the smaller-scale processes controlling beach-surf zone morphology. In particular, how waves and currents drive beach and bar morphodynamics via sediment transport. The practical program uses real data sets collected during recent research programs and during a weekend field excursion, and they address issues specifically relevant to Australia's coastline.

Textbooks

Recommended:
Short, A D (ed), 1999, Beach and Shoreface Morphodynamics. John Wiley & Sons, Chichester, 379 pp.
Course notes will be available from the Photocopy Centre.

GEOS 3016 Seafloor Processes & Imaging

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Dietmar Müller, Dr Julie Dickinson. **Session:** Semester 2. **Classes:** 2hr lee & 2hr prac/wk, one-day excursion. **Prerequisites:** 12 credit points of Intermediate Geoscience or ((one of MARS2005 & MARS2905) and (one of MARS2006 & MARS2906)). **Prohibitions:** GEOS3916, MARS3005, MARS3106. **Assessment:** One 2hr exam, prac reports.

*NB: * Geoscience is the disciplines of Geography, Geology and Geophysics.*

Exploring the sediments and rocks that make up the continental shelves and deep ocean floor requires the use of remote sensing techniques, and the analysis of geological and geophysical data. This course teaches analytical and interpretive skills in both these areas, with a focus on the interaction of physical, biological and chemical processes on the sea floor. The aim of this course is to provide the student with skills to analyse sea floor environments and

interpret a variety of relevant geological and geophysical datasets, including include side-scan sonar, swath-mapping, magnetics, gravity, and seismic reflection data. Students will also gain the skills to investigate marine sedimentary successions. The practical exercises will provide an introduction to standard data analysis tools such as Matlab, and the use of Australian and world data-bases. Students will also be introduced to seafloor samples from the shelf, slope and deep-ocean, where the role of physical and biological activity on the sediment characteristics will be examined.

The course is relevant to students interested in seafloor environments, marine geology and geophysics, and computer-based marine data analysis.

GEOS 3916 Seafloor Processing and Imaging (Adv)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. A/Prof Dietmar Müller, Dr Julie Dickinson. **Session:** Semester 2. **Classes:** 4 hrs lectures and practicals per week, one-day excursion. **Prerequisites:** Distinction average in (12 credit points of Intermediate Geoscience or ((one of MARS2005 & MARS2905) and (one of MARS2006 & MARS2906))). **Prohibitions:** GEOS3016, MARS3005, MARS3106. **Assessment:** 2 hr theory exam, class work.

NB: Department permission required for enrolment.

Advanced students will complete the same core lecture material as for GEOS3016, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS 3017 Global Energy-Exploration & Exploitation

6 credit points. B A, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Prof Peter Davies, Dr Gavin Birch. **Session:** Semester 1. **Classes:** 4hr lec/wk & fieldschool. **Prerequisites:** MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. **Prohibitions:** GEOS3917, MARS3008.. **Assessment:** One 2 hr exam, report.

*NB: * Geoscience is the disciplines of Geography Geology and Geophysics. There are a limited number a places available at this fieldschool.*

This unit is aimed at geoscientists, biologists, environmental and marine scientists who are interested in the energy resources, particularly in the context of the evolution of coral reefs and how they have been affected by changing short and long-term environmental conditions. This interdisciplinary unit provides an introduction to offshore energy and coral reefs and explores this complex system in relation to geology, biology and ecology as well as the oceanographic setting. The unit acquaints students with tools currently being used in the industry and is underpinned by modern concepts of basin architecture and petroleum economics. Exploration techniques include the principals and practice of electrical logging, source rock evaluation and reservoir quality assessment. The controlling influence of basin architecture is examined in terms of critical factors such as hydrocarbon source, migration and entrapment are used to demonstrate climatic and tectonic control. Students will also become familiar with the factors and processors that control the structure, morphology, sediments and distribution of coral reefs and how they function as part of larger ecosystem. The unit is based on problem solving by groups and is underpinned by closely integrating geology, geophysics, marine science and economics. The theoretical base developed in course work will be used to solve a real-world exploration case study, using petroleum industry techniques and by simulating an economic competitive environment. The unit will include a 5 day field trip to the Great Barrier Reef. Students will be required to meet associated travel and accommodation costs.

GEOS 3917 Global Energy Exploration (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Prof Peter Davies (Coordinator), Dr Gavin Birch. **Session:** Semester 1. **Classes:** 4 hrs lectures, practicals per week, excursion. **Prerequisites:** Distinction average in MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience* units. **Prohibitions:** GEOS3017, MARS3008. **Assessment:** Assignments, fieldwork, 2 hr exam.

*NB: * Geoscience is the disciplines of Geography Geology and Geophysics. There are a limited number a places available at this fieldschool.*

This unit has the same objectives as GEOS3017 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. This unit of study may be taken as part of the BSc (Advanced).

Geology & Geophysics Honours

Offered: February and July.

Suitably qualified students may take Honours in Geology & Geophysics. Students are advised that most employers of graduates in Geology & Geophysics regard completion of an Honours year to be the entry level to the profession. Students are required to undertake a research project under the direction of a supervisor, and submit a thesis of not more than 20,000 words embodying the results of the investigation.

Students not eligible to take Honours may be given permission to enrol in the graduate Diploma in Science. Further details should be sought from Dr Michael Hughes or the Head of School, preferably 3 to 4 months before enrolment to allow definition of the research project. Details may be obtained from Dr Michael Hughes (ph: 9351 5190 or email: michaelh@mail.usyd.edu.au).

Geology & Geophysics Postgraduate Study

Details concerning fields of postgraduate study in Geology and Geophysics may be obtained from Dr Derek Wyman 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 Carlsaw 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 (HPSC 1000), 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 (PHYS 1600) 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.

HPSC 1000 Bioethics

6 credit points. B A, B S T, B Sc, UG Study Abroad Program. Dr Rachel Ankeny. **Session:** Semester 1. **Classes:** (3 lec, 1 tut)/wk. **Prohibitions:** HPSC1900. **Assessment:** Short essays, tutorial work, tests.

NB: 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 sold 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 warfare 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

HPSC 1900 Bioethics (Advanced)

6 credit points. B A, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Rachel Ankeny. **Session:** Semester 1. **Classes:** 3 lec, 1 tut/wk. **Prohibitions:** HPSC1000. **Assessment:** Tutorial work, essays, exam, tutorial participation.

NB: Enrolment in this unit is limited, and will be on a first-come first-served basis.

The topics covered by HPSC 1000 - Bioethics will be treated in more depth, in a special tutorial set aside for Advanced students.

Textbooks

Course reader

HPSC 2100 The Birth of Modern Science

6 credit points. B A, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program, UG Summer/Winter School. Dr Ofer Gal. **Session:** Semester 1. **Classes:** (3 lec, 1

tut/wk. **Prerequisites:** 24 credit points of Junior units of study. **Prohibitions:** HPSC (2002 or 2900). **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

HPSC 2101 What Is This Thing Called Science?

6 credit points. B A, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program, UG Summer/Winter School. Dr Rachel Ankeny and HPS staff. **Session:** Semester 2, Summer. **Classes:** (3 lee, 1 tut)/wk. **Prerequisites:** 24 credit points of Junior units of study. **Prohibitions:** HPSC (2001 or 2901). **Assessment:** Short essays, tutorial work, tests.

Philosophers of science aim to define what distinguishes creationism from evolutionary theory, or astrology from astronomy, if anything? 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

HPSC 2900 The Birth of Modern Science (Advanced)

6 credit points. B A, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program. Dr Ofer Gal. **Session:** Semester 1. **Classes:** (3 lee, 1 tut)/wk. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average. **Prohibitions:** HPSC (2002 or 2100). **Assessment:** Short essays, tutorial work, tests.

NB: Enrolment in this unit is limited, and will be on a first-come, first-served basis.

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

HPSC 2901 What Is This Thing Called Science? (Adv)

6 credit points. B A, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program. Dr Rachel Ankeny and HPS staff. **Session:** Semester 2. **Classes:** (3 lee, 1 tut)/wk. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average. **Prohibitions:** HPSC (2002 or 2100). **Assessment:** Short essays, tutorial work, tests.

NB: Enrolment in this unit is limited and will be on a first-come, first-served basis.

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

History and Philosophy of Science 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. HPSC 3022 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.

HPSC 3002 History of Biological/Medical Sciences

6 credit points. B A, B Sc, UG Study Abroad Program. Dr Hans Pols or HPS staff. **Session:** Semester 1. **Classes:** (2 lee, 2 tut)/wk. **Assumed Knowledge:** HPSC (2001

and 2002) or HPSC (2100 and 2101). **Prerequisites:** At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **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 course 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

HPSC 3016 Mathematical Sciences: HPS

6 credit points. B A, B Sc, Dr Ofer Gal. **Session:** Semester 2. **Classes:** 2 lee & 2 tut/wk. Individual student consultation as required. **Assumed Knowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002). **Prerequisites:** At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **Prohibitions:** HPSC (3001 or 3106). **Assessment:** Take-home tests, short essays, tutorial participation.

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 theorizing 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

HPSC 3022 Science and Society

6 credit points. B A, B Sc, Dr Hans Pols or HPS staff. **Session:** Semester 1. **Classes:** (2 lee, 2 tut)/wk. **Assumed Knowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002). **Prerequisites:** At least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **Prohibitions:** HPSC3003. **Assessment:** Short essays, tutorial work, presentation.

NB: 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

HPSC 3023 Psychology & Psychiatry: History & Phil

6 credit points. B A, B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Hans Pols. **Session:** Semester 1. **Classes:** 2 lee, 2 tut/wk. **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 AND knowledge of the various sub-disciplines within Psychology. **Prerequisites:** (at least 8 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. **Assessment:** Take-home essays (4000 words), take-home exams, tutorial work.

This course examines one of the most interesting developments in the history of science: it deals with the sciences that make human beings their object of study. We will examine the ways in which psychologists and psychiatrists have investigated human nature, what 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

HPSC 3024 Science and Ethics

6 credit points. B A, B S T, B Sc, UG Study Abroad Program. Dr Michael Selgelid. **Session:** Semester 2. **Classes:** 2 lee, 2 tut/wk. **Prerequisites:** At least 24 credit points of Intermediate or Senior units of study. **Prohibitions:** HPSC3007. **Assessment:** Short essays, tutorial work, tests.

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 and to students who have satisfied the requirements for the degree of BMedSc including the HPS options in the second and third years of study.

The Honours course consists of 48 points of Honours level units of study, which must include HPSC 4201 HPS Research Project 1, HPSC 4202 HPS Research Project 2, HPSC 4203 HPS Research Project 3 and HPSC 4204 HPS Research Project 4. In their final semester all students must also enrol in the zero credit point non-assessable unit HPSC 4999.

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.

HPSC 4101 Philosophy of Science

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), Grad Cert Sc (H P S), UG Study Abroad Program. Dr Ofer Gal. **Session:** Semester 2. **Classes:** One 2hr sem/wk, 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:** Five short written assignments, seminar participation. **NB:** Department permission required for enrolment. **NB:** 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's caused every society to revise a large part of its 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 and other 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.

HPSC 4102 History of Science

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), Grad Cert Lib Stud, Grad Cert Medical Hum, Grad Cert Sc (H P S), Grad Dip Lib Stud, M Lib Stud, PG Coursework Exchange, UG Study Abroad Program. HPS Staff. **Session:** Semester 2, Semester 1. **Classes:** One 2hr sem/wk. **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.

NB: Department permission required for enrolment. **NB:** 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

HPSC 4103 Sociology of Science

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), Grad Cert Lib Stud, Grad Cert Sc (H P S), Grad Dip Lib Stud, M Lib Stud, UG Study Abroad Program. Dr Hans Pols. **Session:** Semester 1. **Classes:** One 2hr sem/wk, 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.

NB: Department permission required for enrolment. **NB:** 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

HPSC 4104 Recent Topics in HPS

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), Grad Cert Sc (H P S), PG Coursework Exchange, UG Study Abroad Program. HPS Staff. **Session:** Semester 2, Semester 1. **Classes:** One 2hr sem/wk, 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.

NB: Department permission required for enrolment. **NB:** 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

HPSC 4105 HPS Research Methods

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), Grad Cert Sc (H P S). Dr Rachel Ankeny. **Session:** Semester 1, Semester 2. **Classes:** One 2hr sem/wk, 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.

NB: Department permission required for enrolment. **NB:** 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

week, for the duration of the course. This unit directly complements the unit "Immunology in human disease IMMU 3202" and students are strongly advised to undertake these study units concurrently.

Textbooks

Cellular and Molecular Immunology 5th edition 2003. AK Abbas & AH Lichtman, WB Saunders Company and / or Immunobiology -the immune system in health and disease 6th edition CA Janeway, P Travers, M Walport and M Shlomchik, Garland Press.

IMMU 3202 Immunology in Human Disease

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Allison Abendroth. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 prac/fortnight. **Assumed Knowledge:** Intermediate biochemistry and molecular biology and genetics. **Prerequisites:** IMMU 2101 or IMMU2001 or BMED2807 or BMED2506 and 6CP of Intermediate units of study from Biochemistry, or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Prohibitions:** IMMU 3002, BMED3003. **Assessment:** Progressive assessment: 40% includes practical assignment, portfolio of case studies, poster/presentation, tutorial presentation. Formal examination: 60% one 2hr exam.

NB: 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, IMMU 2101 - Introductory Immunology and BMED 2807 - Microbes & Body Defences (formerly IMMU 2001 and BMED 2506). We emphasise fundamental concepts to provide a scientific basis for studies in clinical immunology; dysfunctions of the immune system eg. 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

Cellular and Molecular Immunology 5th edition 2003. AK Abbas & AH Lichtman, WB Saunders Company and / or Immunobiology -the immune system in health and disease 6th edition CA Janeway, P Travers, M Walport and M Shlomchik, Garland Press. Case studies in immunology-a clinical companion 4th edition Rosen and Geha.

Immunology Honours

The Honours program in Immunology provides the opportunity for full-time research on a project proposed and supervised by a staff member expert in that field. Experimental research, a literature review in essay format of the research topic, a thesis, and a seminar on the project constitutes the major part of the Honours program. Guidance in research techniques is given in training programs covering experimental design, data analysis, written and oral communication and critical appraisal of the literature. In addition, a supplementary seminar program keeps students informed and abreast of wider issues in immunology.

Students are invited to apply for Honours enrolment during semester two of the year preceding Honours. Students 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 projects of their choice. Usually Honours candidates will have achieved at least a credit in Senior Immunology units of study and will also have successfully undertaken 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 or Physiology. Usually Honours candidates will have an overall SciWAM of 65 or greater.

Information Technologies

The School of Information Technologies administers the disciplines of Information Systems and Computer Science, each of which is available as a major in the Bachelor of Science degree.

Computer Science

Computer Science is the scientific discipline which has grown out of the use of digital computers to manage and transform information. Computer Science 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. Teaching in Computer Science covers a diversity of topics such as Software Development, Networks and Systems, Multimedia Technologies and Principles of Computer Science. The diversity of the discipline is demonstrated by current research interests in the School which include 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.

Note that units of study beginning with COMP, MULT, NETS, SOFT and INFO (but not IS YS) can be counted as Computer Science. Each INFO unit may only be counted to one subject area (either Computer Science or Information Systems, but not both). Students who intend to major in Computer Science should pay particular attention to the prerequisites of each unit of study. Students should note that entry to Honours requires an average of Credit or better in the Senior units of study.

Information Systems

Information Systems studies people and organisations to determine and deliver their technological needs. Hence Information Systems encompasses issues such as strategic planning, system development, system implementation, operational management, end-user needs and education. Information Systems study is related to Computer Science but there is an important distinction in that Information Systems is about the architecture of computer systems and making them work for people, hence people are the focus of attention, whereas much of Computer Science is about developing and improving the performance of computers. The School performs IS research in a number of areas including natural language processing, data mining, knowledge management and workflow methods. Students who wish to complete a major in Information Systems need to appreciate that effective communication and critical analysis are important parts of the curriculum and though taught explicitly in one unit ARIN 1000 (or an equivalent unit) are expected to be practised throughout all units of study. Intending Honours students need to complete at least 18 credit points of Information systems units at Senior level. Note that units beginning with both ISYS and INFO codes (but not COMP, MULT, NETS or SOFT) can be counted as Information systems units.

Other information

The units of study offered by the School are described briefly below, and more fully in the School's Handbook which is available from the School Office (Room G71) in the Madsen Building. Students should confirm details of units of study, registration procedures, textbooks, etc., on the School noticeboards and web site www.it.usyd.edu.au. Those in doubt should seek advice from members of the School's academic staff.

Summer School: January-February.

This School 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.

SOFT 1001 Software Development 1

6 credit points. B A, B Com, B Des Comp, B E, B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Semester 2. **Classes:** One 1hr lecture, one 2 hr tutorial, one 3hr practical. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prohibitions:** SOFT 1901, COMP (1001 or 1901), DECO2011. **Assessment:** Written and practical assignments, quizzes, exam.

Computers are highly versatile: the same machine can be used to manage the payroll for an enterprise, or play multi-user games, or predict changing weather activity. The reason is that people can write software that causes the machine to behave in very different ways. This unit is the first in a long sequence that build students' skills in

software development. For many students these skills are the key to their employment as IT professionals. The unit introduces object-oriented software development with design-by-contract, which is the state-of-the-art in industry. Java is the programming language used. Students work in small groups, so they experience many of the issues of team interaction that are important in practice. Also, students take responsibility to plan their own learning to meet required objectives, so they will develop skills to learn from resources including reference materials and examples, just as happens in the profession.

SOFT 1901 Software Development 1 (Adv)

6 credit points. B A, B Com, B Des Comp, B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 1 lee, 2 tut & 3 lab/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prohibitions:** May not be counted with SOFT 1001 or COMP (1001 or 1901). **Assessment:** Written and practical assignments, quizzes, exam.

NB: Department permission required for enrolment. Entry requires departmental permission, except for students in BSc(Adv), BCST(Adv) or BIT degrees

An advanced alternative to SOFT 1001; covers material at an advanced and challenging level. See the description of SOFT 1001 for more information.

SOFT 1002 Software Development 2

6 credit points. B A, B Com, B Des Comp, B E, B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Semester 2, Summer. **Classes:** One 1hr lecture, one 2hr tutorial, one 3hr practical. **Prerequisites:** SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011. **Prohibitions:** SOFT 1902 or COMP (1002 or 1902). **Assessment:** Written and practical assignments, quizzes, exam.

NB: Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.

This unit extends the students' software development skills in several important directions. It covers a number of advanced features of Java programming such as inheritance and recursion. It deals with important issues in using library classes to manage collections of similar objects. It also provides students with experience in design; that is, in choosing which classes to write to respond to a user's demands. Design in group work raises special issues of dealing with conflict and misunderstanding between group members.

SOFT 1902 Software Development 2 (Adv)

6 credit points. B A, B Com, B Des Comp, B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 1 lee, 2 tut & 3 lab/wk. **Prerequisites:** SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one of these. **Prohibitions:** May not be counted with SOFT 1002 or COMP (1002 or 1902) or DECO2011. **Assessment:** Written and practical assignments, quizzes, exam.

NB: Students with Credit or above in INFO1903 are encouraged to request special permission to enter this unit.

An advanced alternative to SOFT 1002; covers material at an advanced and challenging level. See the description of SOFT 1002 for more information.

INFO 1003 Foundations of Information Technology

6 credit points. B A, B Com, B E, B S T, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), Darren Louie. **Session:** Semester 1, Semester 2. **Classes:** (2 lee, 1 tut, 3 prac)/wk. **Assumed Knowledge:** Basic computer operations. **Prohibitions:** INFO1000, INFS1000, ISYS1003, INFO1903.. **Assessment:** Assignments, written exam, prac exam.

In our society computer systems have become a major platform for communication, commerce, education and entertainment. Students, using a systems thinking approach, will undertake meaningful research and authoring tasks using various kinds of software including word processors, spreadsheets, web browsers and databases, in order to understand how hardware, software and human systems support communication, collaboration, modelling and decision-making. Students will be expected to understand how information is structured, linked and flowed in different situations, and to be able to customise an IT environment to streamline or share tasks. In addition, the course will emphasise the importance of documenting decisions and processes, and understanding the many social, ethical, and intellectual property issues that arise when creating and handling information.

INFO 1903 Foundations of Information Tech (Adv)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition). **Session:** Semester 1. **Classes:** 3 lee, 2x1 hrs lab/wk. **Assumed Knowledge:** Basic computer operations. **Prerequisites:** UAI at least that for acceptance into BSc(Adv) degree program. **Prohibitions:** INFO1003, ISYS1003, INFO1000, INFS1000.. **Assessment:** Practical assignments, quizzes, tutorial contribution, written examination.

NB: Department permission required for enrolment.

Analysing empirical information is the cornerstone of many domains, including science, engineering, economics and social science.

Graduates in these domains must be able to process, manipulate and present the growing quantities of data effectively. Although computing should play a key role, we rarely exploit the full power of existing or custom software to efficiently convert data into information and then knowledge. INFO 1903 will equip students with the skills and techniques for exploiting data effectively.

INFO 1903 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 course will also cover presentation of data through written publications and dynamically generated web pages, visual representations and oral presentation skills. The assessment, a semester 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 INFO 1903 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

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.

COMP 2160 Data Structures

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hrs lecture per week, 2 hrs tut (structured as 2 hr block) per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Prohibitions:** COMP(2111 or 2811 or 2002 or 2902 or 2860). **Assessment:** Assignments, 2 hour exam.

One of the worst things that can happen when implementing a large software system is to find, after months of hard work, that the underlying design is too inefficient, or is fundamentally flawed. Such situations can often be avoided through careful design using well understood structures, and an analysis of the time complexity and correctness of these designs.

This unit includes a formal introduction to commonly used data structures such as lists, stacks, queues, priority queues, search trees, hash tables and graphs. It also covers the analysis of algorithms and all data structures introduced are analysed according to a notion of asymptotic complexity. There will be a programming project in which students will design an algorithmic solution to a problem, analyse its time complexity, and implement it.

Textbooks

TBA

COMP 2860 Data Structures (Advanced)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hrs lecture per week, 1 hr tut per week. **Prerequisites:** [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. **Prohibitions:** COMP(2111 or 2811 or 2002 or 2902 or 2160). **Assessment:** Assignments, one 2 hour exam.

An advanced alternative to COMP2160; covers material at an advanced and challenging level. See the description of COMP2160 for more information.

Textbooks

TBA

INFO 2110 Systems Analysis and Modelling

6 credit points. B A, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program, UG Summer/Winter School. Mr Simon Poon and Dr Geoffrey Kennedy. **Session:** Semester 1, Summer. **Classes:** 2 hrs lee, 1 hr tut & 1 hr prac/wk. **Assumed Knowledge:** Simple data modelling and simple SQL knowledge covered at ISYS1003 or INFO1000 level. **Prerequisites:** (INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study or DECO2011. **Prohibitions:** INFO (2000 or 2810 or 2900). **Assessment:** Written and practical assignments, exam.

This unit provides a comprehensive introduction to the analysis of complex systems, and the representation of models of the system in widely-understood notations. It addresses the roles a systems analyst plays in different stages in the systems lifecycle. It covers a collection of methodologies, models, tools, and techniques that can be used to model systems. The major topics are requirements elicitation and representation, data models, process models, and project planning. We will cover both the traditional structured approach which includes process modelling using data flow diagrams (DFDs) and conceptual data modelling using Entity-Relationship Diagram (ERDs), and the

object-oriented approach using class diagrams, sequence diagrams, collaboration diagrams, and statechart diagrams, expressed in UML. Tools such as Microsoft Access will be used to produce simple system prototypes, based on models.

INFO 2810 Systems Analysis and Modelling (Adv)

6 credit points. B A, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Mr Simon Poon and Dr Geoffrey Kennedy. **Session:** Semester 1. **Classes:** 3 lee, 1tut and/or 1prac/wk. **Assumed Knowledge:** Simple data modelling and simple SQL knowledge covered at ISYS1003 level. **Prerequisites:** (INFO(1003 or 1903 or 1000) or ISYS1003 or rNFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC units of study) or DECO2011; and Distinction in one ISYS, rNFO, SOFT or INFS unit. **Prohibitions:** INFO (2000 or 2110 or 2900). **Assessment:** Exam, assignments, tutorial papers.

An advanced alternative to INFO2110; covers material at an advanced and challenging level. See the description of INFO2110 for more information.

INFO 2120 Database Systems 1

6 credit points. B A, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Dr Uwe Roehm, A/Prof Joseph Davis. **Session:** Semester 2. **Classes:** 2 hrs lee, 2hr tut /wk. **Prerequisites:** INFO(1003 or 1903 or 1000) or ISYS 1003 or rNFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or (6 credit points of COSC) or DECO2011. **Prohibitions:** INFO (2005 or 2820 or 2905).. **Assessment:** written and practical assignments plus a written exam.

This unit of study will provide a comprehensive introduction to database management, SQL query language, and application development using databases. The fundamentals of relational database technology will be covered.

Contents: data modelling, relational data model, data normalisation, logical and physical database design, SQL query language, Form-based application development, client server and web-enabled transactions processing systems, and distributed database systems.

INFO 2820 Database Systems 1 (Advanced)

6 credit points. B A, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Dr Uwe Roehm, A/Prof Joseph Davis. **Session:** Semester 2. **Classes:** 2x1hr lectures, 1hr seminar, 1hr lab. **Assumed Knowledge:** Basics of data modelling, experience working with information technology tools. **Prerequisites:** INFO(1003 or 1903 or 1000) or ISYS1003 or INFS1000 or SOFT(1001 or 1901) or COMP(1001 or 1901) or 6 credit points of COSC units of study or DEC2011; and Distinction in one ISYS, INFO, SOFT or INFS unit. **Prohibitions:** INFO (2005 or 2120 or 2905). **Assessment:** Exam, written and/or practical assignments.

An advanced alternative to INFO2120; covers material at an advanced and challenging level. See the description of INFO2120 for more information.

ISYS 2140 Information Systems

6 credit points. B A, B A Informatics, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. A/Prof Joseph Davis. **Session:** Semester 1. **Classes:** 2 hours of lecture and 2 hours of tutorial per week. **Assumed Knowledge:** Understanding of the roles and functions of information technology tools for document processing, modelling, database management etc. Experience in the use of these tools to solve practical problems and to present the results effectively. Awareness of the main concepts of programming and of a program running in a computer (a process). **Prerequisites:** INFO(1003 or 1903 or 1000) or ISYS 1003 or INFS 1000. **Prohibitions:** ISYS (2006 or 2007). **Assessment:** One 2 hours exam, written assignments and Tutorial presentations.

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

NETS 2150 Fundamentals of Networking

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hrs lee and 2 hrs prac/wk. **Assumed Knowledge:** Basic computer organization. **Prerequisites:** SOFT(1002 or 1902) or COMP(1001 or 1901) or DECO2011. **Prohibitions:** NETS (2009 or 2909 or 2850), ELEC (3506 or 3504). **Assessment:** One 2hr exam, assignment, quiz, homework exercises.

Computer users often take for granted the ability to access information and services from remote computers. This first course on networking provides an overall or bird's eye view of the networking world and how the networks have evolved. This unit aims to show how the underlying hardware and software components can make

this possible. It covers the overall structure of a network involving devices such as hubs, bridges, switches and routers, and the standard communication protocol architectures, namely OSI layered reference model and TCP/IP. It mainly focuses on the physical, data link and network layers of these protocol architectures. It also lays the foundation for later studies on network protocols and programming and security engineering.

Textbooks

Data and Computer Communications, 2003 7th edition, William Stallings, ISBN: 0131006819, Publisher: Pearson-Prentice Hall

NETS 2850 Fundamentals of Networking (Advanced)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3hrs lee and 1hr prac/wk. **Assumed Knowledge:** Basic computer organization. **Prerequisites:** SOFT(1002 or 1902) or COMP(1001 or 1901) or DECO2011 and Distinction in one NETS or SOFT unit. **Prohibitions:** May not be counted with NETS (2009 or 2909 or 2150) or ELEC (3504 or 3506).. **Assessment:** Exam, assignment, quiz, homework exercises.

An advanced alternative to NETS2150; covers material at an advanced and challenging level. See the description of NETS2150 for more information.

Textbooks

Data and Computer Communications, 2003 7th edition, William Stallings, ISBN: 0131006819, Publisher: Pearson-Prentice Hall

SOFT 2130 Software Construction 1

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program, UG Summer/Winter School. A/Prof Kummerfeld, A/Prof Kay. **Session:** Semester 2, Summer. **Classes:** 2 hrs lecture per week, 3 hrs lab (structured as 2 hrs plus 1 hr) per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Prohibitions:** COMP (2004 or 2904) or SOFT (2904 or 2004 or 2830).. **Assessment:** Programming assignments, in-lab quizzes, 2 hr written exam.

NB: Students with Credit or above in INFO 1903 are encouraged to request special permission to enter this unit.

In this unit of study we cover elementary methods for developing robust, efficient, and re-usable software. 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 engineering viewpoint and it includes a considerable amount of programming practice, using existing tools as building blocks to complete a large-scale task. The unit discusses professionalism issues relevant to a career in software development, including intellectual property in software and employment conditions for programmers

Textbooks

TBA

SOFT 2830 Software Construction 1 (Adv)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. A/Prof Kummerfeld, A/Prof Kay. **Session:** Semester 2. **Classes:** 3 hrs lecture per week, 2 hrs lab per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or in any SOFT unit at 2000-level or above. **Prohibitions:** COMP (2004 or 2904) or SOFT (2004 or 2904 or 2130).. **Assessment:** Programming assignments, in-lab quizzes, 2 hr written exam.

NB: Students with Credit or above in INFO 1903 are encouraged to request special permission to enter this unit.

In this unit of study we learn elementary methods for developing robust, efficient and reusable software. An advanced alternative to SOFT 2130; covers material at an advanced and challenging level. See the description of SOFT 2130 for more information.

Textbooks

TBA

Computer Science and Information Systems Senior units of study

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.

COMP 3308 Introduction to Artificial Intelligence

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hrs lecture per week, 2 hrs tut (structured as 2 hr block) per week. **Assumed Knowledge:** Programming skill, as from SOFT2130 or COMP2160 or from Credit level in INFO1903 or SOFT1002. **Prerequisites:** 18 crpts of 2000-level units. **Prohibitions:** May not be counted with COMP(3002 or 3902 or 3608).. **Assessment:** Assignments, written exam.

Artificial Intelligence (AI) is all about programming computers to perform tasks normally associated with intelligent behaviour. Clas-

sical 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

COMP 3608 Intro, to Artificial Intelligence (Adv)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hrs lecture per week, 1 hr tut per week. **Assumed Knowledge:** Programming skill, as from SOFT2130 or COMP2160 or from Credit level in INFO1903 or SOFT1002. **Prerequisites:** 18 crpts of 2000-level units, and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. **Prohibitions:** May not be counted with COMP(3002, 3902 or 3308).. **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

COMP 3309 Algorithms

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hrs lecture per week, 2 hr tutorial per week. **Assumed Knowledge:** Discrete mathematics. **Prerequisites:** COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). **Prohibitions:** May not be counted COMP(3111 or 3811), COMP(3001 or 3901) or COMP3609.. **Assessment:** Assignments, written exam.

This unit will discuss techniques of algorithm design and analysis and their applications. The contents include review of analysis of algorithms; divide and conquer; greedy algorithms; dynamic programming; preprocessing; case study of sorting/selection; case study of pattern matching; case study of graph algorithms; randomised algorithms; NP completeness; approximation algorithms for NPC problems.

Textbooks

Introduction to Algorithms, Second Edition, Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest and Clifford Stein, MIT Press, 2002

COMP 3609 Algorithms (Advanced)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hrs lecture per week, 1 hr tut per week. **Assumed Knowledge:** Discrete mathematics. **Prerequisites:** COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902), and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. **Prohibitions:** COMP(3111 or 3811 or 3001 or 3901 or 3309). **Assessment:** Assignments, written exam.

An advanced alternative to COMP3309; covers material at an advanced and challenging level. See the description of COMP3309 for more information.

Textbooks

Introduction to Algorithms, Second Edition, Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest and Clifford Stein, MIT Press, 2002

COMP 3310 Theory of Computation

6 credit points. B A, B Com, B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Prof. Peter Eades. **Session:** Semester 2. **Classes:** Two 1hr lectures, one 2hr tutorial. **Prerequisites:** COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902). **Prohibitions:** COMP (2003 or 2903 or 3610). **Assessment:** AssignmentsOne 2 hr exam.

This unit explores the fundamental nature of computing. We investigate the expressive power of computer languages, and learn how to describe them with grammars. We discuss the computational power of computers: what can be computed, and what cannot be computed; what can be computed efficiently?

Textbooks

Lecture Notes

COMP 3610 Theory of Computation (Advanced)

6 credit points. B A, B Com, B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Prof. Peter Eades. **Session:** Semester 2. **Classes:** 3 hrs lecture per week, 1 hr tut per week. **Prerequisites:** COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902), and Distinction in a COMP, SOFT, or MATH unit at 2000-level or above. **Prohibitions:** COMP (2003 or 2903 or 3310). **Assessment:** AssignmentsOne 2 hr exam.

An advanced alternative to COMP3310; covers material at an advanced and challenging level. See the description of COMP3310 for more information.

Textbooks

Lecture Notes

INFO 3402 Management of IT Projects and Systems

6 credit points. B A, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two 1hr lectures, one 2hr tutorials per wk. **Prerequisites:** INFO (2000 or 2110 or 2810 or 2900). **Prohibitions:** May not be counted with ISYS (3000 or 3012).. **Assessment:** One two hour exam, 2 written assignments, tutorial preparation, participation and presentation.

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.

INFO 3404 Database Systems 2

6 credit points. B A, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 hrs lee, 2hr tut/wk. **Prerequisites:** INFO(2120 or 2820 or 2005 or 2905). **Prohibitions:** May not be counted with INFO (3005 or 3504 or 3905) or COMP (3005 or 3905).. **Assessment:** Assignments, written exam.

This unit builds on INFO2120 Database Systems 1. It has two main parts.

The first part provides a deeper understanding of the internal mechanisms of a database engine, as it is needed e.g. by Database Administrators (DBA) or Software Engineers for successful performance tuning. Topics include: internal mechanisms in the DBMS engine, database tuning, physical data placement and access structures, query processing and optimisation, transaction management, and security. The second part focuses on the diversity of post-relational systems, and extensions to the relational data model to support different application needs. Topics include: object-relational systems, semi-structured data including XML, and information retrieval for textual data.

The unit will be of interest to students seeking an introduction to database tuning, disk-based data structures and algorithms, and advanced data models. It will be valuable to those pursuing such careers as Software Engineers, Database Experts, Database Administrators, or e-Business Consultants.

INFO 3504 Database Systems 2 (Adv)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hr lee, 1 hr tut/wk. **Prerequisites:** INFO (2005 or 2120 or 2820 or 2905),and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. **Prohibitions:** May not be counted with INFO (3005 or 3404 or 3905) or COMP (3005 or 3905).. **Assessment:** Assignments, written exam.

An advanced alternative to INFO3404; covers material at an advanced and challenging level.

ISYS 3400 Information Systems Project

6 credit points. B A, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two 1 hour meetings. **Prerequisites:** (INFO3402 or ISYS3012) and (ISYS (3401 or 3015) or ARIN2000). **Prohibitions:** May not be counted with ISYS3207. **Assessment:** Individual presentation, oral examination, group report.

The objective is to enable students to design and implement a solution to a complex data processing problem or to investigate an issue in the management or development of a real-world information system. The project consists of students working together in teams to complete a task of adequate complexity that draws on their education in Information Systems to date. The project will either investigate an issue that is important to the successful practice of the management of Information systems including topics in such areas as end-user computing, IS methodologies, business process re-engineering. Alternatively, it will follow through the life-cycle of systems creation and development and delivery using the traditional tools and methods of the systems analyst.

Textbooks

No textbook

ISYS 3401 Analytical Methods & Information Systems

6 credit points. B A, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 hrs lecture and 2 hrs tut / wk. **Prerequisites:** ISYS (2140 or 2006) and INFO (2000 or 2110 or 2810 or 2900) and (MATH(1005 or 1015

or 1905) or STAT 1021) and (ARIN1000 or ENGL1050 or ENGL1005 or LNGS1001 or LNGS1002 or LNGS1005 or any HPSC unit). **Prohibitions:** May not be counted with ISYS3015. **Assessment:** Assignments, 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. It will guide students through the essential stages of a research project through a variety of case scenarios. A collection of different methods for collecting and analyzing information will be studied in the context of a systems thinking approach to investigative research. These methods include participative methods, surveys, focus groups, controlled experiments and case studies.

Textbooks

Leedy P. and Omrod J. Practical Research: planning and design (7th ed). Prentice Hall

ISYS 3403 IT Systems in Arts and Humanities

6 credit points. B A, B A Informatics, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Edmund Balnaves. **Session:** Semester 1. **Classes:** 2 hr lectures, 2 hr tutorials /wk. **Prerequisites:** INFO (2000 or 2110 or 2810 or 2900) and INFO (2005 or 2120 or 2820 or 2905). **Prohibitions:** May not be counted with ISYS3113 or EBUS(3002 or 3004). **Assessment:** Assignments, written exam.

This unit provides a conceptual overview of the key technological directions in Fine Arts, History, New Media, Literature, Politics, & Archaeology. It frames actual technological applications in a theoretical systems context, and builds an understanding of common technological approaches to systems solutions in the Arts and Humanities. Representational technologies such as New Media, Digital Streaming and Content Servers are explored. Concepts underlying Analytical systems and field technologies are also examined to build an understanding of their place in an overall systems context. The course elaborates this understanding through specific experience in web-based scripting, web services, relational database interfaces, XML technologies, and qualitative analysis tools.

MULT 3306 Multimedia Computing and Processing

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three 1hr lectures & one 2hr prac/wk. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** May not be counted with MULT(3019 or 3919) or MULT(3004 or 3904) or MULT3606 or COMP(3004 or 3904). **Assessment:** Assignments, written exam.

Multimedia has become an indispensable part of our heterogeneous computing and communication environment. This unit covers basic and advanced topics of coding and manipulating digital media, which mainly include image, audio, video, graphics, animation, etc. It introduces principles and current techniques such as multimedia data processing, content analysis, media coding and compression. It also elaborates different multimedia coding standards such as JPEG, MP3, and MPEG. Various multimedia systems and cutting-edge multimedia applications are presented. Practice of multimedia programming is also covered. In particular, computer graphics (CG) is of fundamental importance in multimedia. It allows us not only to generate and display still pictures, but also to underlie the display of moving pictures and text. CG is the enabling technology for all the visual elements of multimedia. Therefore, in this unit, we pay special attention to computer graphics and examine established CG algorithms, covering such topics as hidden-line elimination, shading and texturing, and ray-tracing. The effects on performance of algorithmic design choices are considered.

MULT 3606 Multimedia Computing & Processing (Adv)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4hrs lecture & 1hr tut/wk. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. **Prohibitions:** MULT(3019 or 3919 or 3004 or 3904 or 3306) or COMP(3004 or 3904). **Assessment:** Assignments, written exam.

An advanced alternative to MULT3306; covers material at an advanced and challenging level.

MULT 3307 Interactive Multimedia Systems

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2hr lectures, 2hr tutorials. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** May not be counted with SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3607. **Assessment:** Assignments, written exam.

Interactive multimedia is becoming one of the fastest growing areas in our modern computing and communication industries, and providing effective and flexible access of business, education and cultural information. This unit offers a comprehensive and detailed approach for the design and development of interactive multimedia

systems, with maximizing the use of different multimedia building blocks (audio, image, video, graphics and animation). It covers principles and expertise for creation and delivery of interactive multimedia, and looks specifically at media integration, hypermedia design models, human computer interaction, user interface design and programming, multimedia authoring and the design and development process. Practice of creating interactive multimedia systems using a range of programming tools is also included and emphasized.

MULT 3607 Interactive Multimedia Systems (Adv)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hrs lee, 1 hr tut/wk. **Prerequisites:** (COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a MULT or SOFT or INFO or COMP unit at 2000-level or above. **Prohibitions:** May not be counted with SOFT3102, SOFT3802, MULT3018, MULT3918, COMP3102, COMP3802, MULT3307. **Assessment:** Assignments, written exam.

An advanced alternative to MULT3307; covers material at an advanced and challenging level.

Textbooks

Lecture Notes and some references.

NETS 3303 Network Protocols & Programming

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. Bjorn Landfeldt. **Session:** Semester 1. **Classes:** 2 hrs lee and 2 hrs prac/wk. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or 3604)) and (SOFT(2130 or 2830) or SOFT(2004 or 2904)). **Prohibitions:** May not be counted with NETS(3007 or 3907), COMP(3007 or 3907) or NETS3603. **Assessment:** Assignments, written exam.

Distributed and networked computing has become the norm rather than an exception. Today, the advantages of being able to communicate between computing devices extend beyond computers to incorporate such diverse devices as mobile phones and sensors. This unit covers the mechanisms that enable different computing devices to communicate in networked environments. The focus lies on the fundamental mechanisms and functions that are used to build communication protocols, and the design decisions and system consideration that have to be made for protocols to operate well. In particular, the TCP/IP protocol stack is examined as example protocols. In addition, the unit covers fundamental programming techniques in networked environments. After successful completion of this unit, students are expected to be able to design protocols for specified purposes and also be able to implement protocols according to standardization documents (RFCs).

Textbooks

Douglas Comer, Internetworking with TCP/IP, Principles, Protocols, and Architectures, Fourth Edition ISBN: 0-13-01830-6, Publisher: Pearson-Prentice Hall

NETS 3603 Network Protocols & Programming (Adv)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 hrs lee and 1 hr tut/wk. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC(3504 or 3604)) and (SOFT(2130 or 2830) or SOFT(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibitions:** May not be counted with NETS(3007 or 3907), COMP(3007 or 3907) or NETS3303. **Assessment:** Assignments, written exam.

An advanced alternative to NETS3303; covers material at an advanced and challenging level.

Textbooks

Douglas Comer, Internetworking with TCP/IP, Principles, Protocols, and Architectures, Fourth Edition ISBN: 0-13-01830-6, Publisher: Pearson-Prentice Hall

NETS 3305 Computer and Network Security

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2hrs lee and 2hrs tut/wk. **Prerequisites:** (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC3504 or ELEC3604) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** NETS(3016 or 3916), NETS3605 or ELEC(5610 or 5616). **Assessment:** Assignments, written exam.

This unit examines the main issues of security for enterprise systems and networks. It covers confidentiality, integrity, data-origin authentication, non-repudiation, user authentication, access control. At the end of this unit students will know and understand properties of and evaluate a variety of common techniques to address security threats (public-key crypto, private-key crypto, firewalls, role-based access-control, etc). We pay special attention to the variety of attacks to which systems are subjected, and we address ways of managing the risks associated with different attacks. In this unit, cryptography is treated as a tool with given properties; to learn more about cryptography see units offered by the School of Mathematics and Statistics.

NETS 3605 Computer and Network Security (Advanced)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3hrs lectures and 1hr tut/wk. **Pre-**

requisites: (NETS(2150 or 2850) or NETS(2009 or 2909) or ELEC3504 or ELEC3604) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibitions:** NETS(3016 or 3916), NETS3305 or ELEC(5610 or 5616). **Assessment:** Assignments, written exam. An advanced alternative to NETS3305; covers material at an advanced and challenging level.

NETS 3304 Operating System Internals

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2hr lectures, 2hr tutorials/wk. **Prerequisites:** (ELEC1601 or NETS(2008 or 2908) or COMP(2001 or 2901) or ELEC2601) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)). **Prohibitions:** May not be counted with NETS(3009 or 3909 or 3604), COMP(3009 or 3909).. **Assessment:** Assignments, written exam.

NB: Students who were not able to do ELEC1601, but have the remaining prerequisites, are encouraged to apply for special permission to enrol in this unit.

This unit will provide a comprehensive discussion of relevant OS issues and principles and discuss 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.

NETS 3604 Operating Systems Internals (Advanced)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hrs lectures, 1hr tutorial per week. **Prerequisites:** (ELEC1601 or NETS(2008 or 2908) or COMP(2001 or 2901) or ELEC2601) and (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904)), and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibitions:** May not be counted with NETS(3009 or 3909 or 3304), COMP(3009 or 3909). **Assessment:** Assignments, written exam.

NB: Students who were not able to do ELEC1601, but have the remaining prerequisites, are encouraged to apply for special permission to enroll in this unit.

An advanced alternative to NETS3304; covers material at an advanced and challenging level. See the description of NETS3304 for more information.

SOFT 3300 Software Development Project

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2, Semester 1. **Classes:** 1 hr lecture or supervision meeting, per week. **Prerequisites:** 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). **Prohibitions:** SOFT(3600 or 3200 or 3700). **Assessment:** Project process documentation, oral presentation, written report.

This unit is a capstone for the undergraduate curriculum. It provides students with the chance to demonstrate their skills in developing a substantial software system, working in a group which needs to carry out the full range of activities including requirements capture, analysis and design, coding, testing and documentation.

SOFT 3600 Software Development Project (Advanced)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1, Semester 2. **Classes:** 1hr lecture or supervision meeting, per week. **Prerequisites:** (INFO2110 or INFO 2810 or INFO2000 or INFO2900) and (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2904 or COMP2004 or COMP2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations), and Distinction in any 2000-level or above IT-related unit. **Prohibitions:** May not be counted together with any of: SOFT (3300 or 3200 or 3700). **Assessment:** Project process documentation, oral presentation, written report.

An advanced alternative to SOFT3300; covers material at an advanced and challenging level.

SOFT 3301 Software Construction 2

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2hrs lecture, 2hrs tutorial per week. **Prerequisites:** SOFT(2130 or 2830 or 2004 or 2904) or COMP (2004 or COMP2904). **Prohibitions:** May not be counted with SOFT(3601, 3104, 3804) or COMP(3008 or COMP3908). **Assessment:** Programming assignments, in-lab quizzes, written exam. At the end of this course you should have an easy familiarity with C++ and know when (and when not) to use it to solve a problem. In particular, we deal with those issues which differ from Java and C, including multiple inheritance, name spaces, destructors, the difference between virtual and non-virtual overriding, and templates. You should be comfortable reading the STL source. You will know many of the recognized Design Patterns, and be able to use them appropriately to evaluate and improve (refactor) existing code. You will have experience with coding using an Integrated Development Environment.

SOFT 3601 Software Construction 2 (Advanced)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3hrs lecture, 1hr tutorial per week. **Prerequisites:** (SOFT2130 or SOFT2830 or SOFT2004 or SOFT2004 or COMP2004 or COMP2904), and Distinction in any 2000-level or above SOFT or INFO unit. **Prohibitions:** May not be counted with SOFT3301, SOFT3104, SOFT3804, COMP3008 or COMP3908.. **Assessment:** Programming assignments, in-lab quizzes, written exam.

An advanced alternative to SOFT 3301; covers material at an advanced and challenging level.

SOFT 3302 Software Quality Assurance

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2hrs lecture, 2hrs tutorial per week. **Prerequisites:** (INFO(2110 or 2810) or INFO(2000 or 2900)) and ((COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904))). **Prohibitions:** May not be counted with SOFT(3602 or 3103 or 3803). **Assessment:** Programming assignments, in-lab quizzes, written exam.

This unit will discuss ways in which the quality of software systems can be enhanced through processes that occur within the Software Development Life Cycle (SDLC). We cover both agile methodologies such as extreme programming (XP), and heavier methodologies such as Rational's RUP. We deal with ways to enhance quality of designs and of code construction, and we particularly emphasize the role of testing, for functionality and also for nonfunctional issues such as performance, usability, conformance to policy). You will learn to produce a testing strategy, starting from a careful analysis of the risks faced by the system; this strategy is elaborated into a detailed test plan. You will evaluate test plans in terms of coverage and contribution to system reliability. Emphasis is also placed on the management of the testing activity, especially on tracing from test results back to the aspect of the requirements being tested. You will have experience using some automated tools for managing the testing process.

SOFT 3602 Software Quality Assurance (Adv)

6 credit points. B A, B C S T, B E, B IT, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 hrs lecture per week, 1 hr tutorial per week. **Prerequisites:** (INFO(2110 or 2810) or INFO(2000 or 2900)) and ((COMP(2160 or 2860) or COMP(2111 or 2811) or COMP(2002 or 2902)) or (SOFT(2130 or 2830) or SOFT(2004 or 2904) or COMP(2004 or 2904))), and Distinction in any 2000-level or above SOFT or INFO unit. **Prohibitions:** May not be counted with SOFT(3302 or 3103 or 3803) or, COMP(3008 or COMP3908). **Assessment:** Programming assignments, in-lab quizzes, written exam.

An advanced alternative to SOFT 3302; covers material at an advanced and challenging level.

Computer Science Honours

To be awarded Honours in Computer Science, a student must complete units of study to a total of 48 credit points, as approved by the School and the Faculty, as follows: 6 credit points of research preparation through the unit INFO 4990, covering a literature review and research plan, 18 credit points of research project through the unit INFO 4991 and 4992, and 24 credit points of coursework units of study, which, except with permission of the School and Faculty, must all be from 4000-level units of study which are in the subject area of Computer Science (that is, units of study or selected 5000-level units of study (see Honours units of study)). Seek special permission from the School of Information Technologies for 5000-level units.

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

COMP 4045 Computational Geometry

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 1. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Assumed Knowledge:** Data structures, analysis of algorithms. **Prerequisites:** Credit average in 24 credit points of 3000-level study. **Assessment:** Practical assignments, written assignments, exam.

Geometric data are used in fields including information and scientific visualisation, image processing, pattern recognition, chip layout, and geographic information systems. This unit focuses on the study of computational algorithms which efficiently process geometric

data. Students will approach relevant research being done in the University of Sydney.

Textbooks

M. de Berg, et al "Computational Geometry: Algorithms and Applications", Springer (2000)

COMP 4046 Statistical Natural Language Processing

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 1. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Assumed Knowledge:** Concepts of linguistics, elementary statistics, AI techniques. **Prerequisites:** Credit average in 24 credit points of 3000-level study. **Assessment:** Practical assignments, written assignments, exam.

This unit deals with techniques that allow computers to handle natural human languages (such as English, French), by analysis of large corpora of text. Particular emphasis is given to methods that analyse the meaning in texts, the categorisation of texts, and the general application of machine learning methods to these topics. Students will approach the relevant research being done in the University of Sydney.

COMP 4048 Information Visualisation

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 2. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Assumed Knowledge:** Discrete mathematics. **Prerequisites:** Credit average in 24 credit points of 3000-level study. **Assessment:** Practical assignments, written assignments, exam. This unit provides knowledge of the concepts techniques and algorithms involved in producing graphical representations of relational information, especially graph drawings. Students will approach relevant research in the University of Sydney.

Textbooks

C. Ware "Information Visualisation" Morgan Kaufman (2000); R. Spence "Information Visualisation" Addison-Wesley (2000)

COMP 5318 Knowledge, Discovery and Data Mining

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT, Grad Dip App Sc (M B T), PG Coursework Exchange. **Session:** Semester 1, Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** COMP5138 Relational Database Management Systems. **Assessment:** Assignments, written exam. Knowledge discovery is the process of extracting useful knowledge from data. Data mining is a discipline within knowledge discovery that seeks to facilitate the exploration and analysis of large quantities of data, by automatic or semiautomatic means. This subject provides a practical and technical introduction to knowledge discovery and data mining.

Objectives: Topics to be covered include problems of data analysis in databases, discovering patterns in the data, and knowledge interpretation, extraction and visualisation. Also covered are analysis, comparison and usage of various types of machine learning techniques and statistical techniques: clustering, classification, prediction, estimation, affinity grouping, description and scientific visualisation.

COMP 5338 Advanced Data Models

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT. **Session:** Semester 1, Semester 2. **Classes:** 2 lee, 1 tut/wk. **Assumed Knowledge:** COMP5138 Relational Database Management Systems. **Prohibitions:** COMP5306. **Assessment:** Assignments, written exam.

This course will offer a comprehensive survey of post-relational data models and technologies with significant emphasis on XML and content management on the world wide web. The important challenges in managing the complex and varied data in modern database environments will be specifically addressed.

COMP 5347 e-Commerce Technology

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT, Grad Dip App Sc (M B T), M E S (Manuf Com Bus Man), PG Coursework Exchange. **Session:** Semester 1, Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** COMP5028 Object Oriented Analysis and Design. **Assessment:** Assignments, written exam.

This unit will focus on technological advances supporting the development of e-commerce applications and systems. This includes server-side development of e-business applications, methodologies and practices for the development of web-applications, J2EE/Java-based support for front-end development, XML processing, and database integration, as well as web services development (SOAP, WSDL, UDDI) and handheld wireless integration.

COMP 5348 Enterprise Scale Software Development

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT. **Session:** Semester 1. **Classes:** 2 lee, 1 tut/wk. **Assumed Knowledge:** COMP5028 Object Oriented Analysis and Design and COMP5148 Quality Software Development in Practice. **Assessment:** Assignments, exam.

This unit covers a range of approaches for constructing large-scale computer-based systems which can deal with data and business processes through a large company or other organisation. In building software on this scale, it is essential to integrate existing "legacy" code and data stores. The unit includes a study of both middleware

technologies and process management techniques needed to develop enterprise scale computer-based systems.

COMP 5416 Advanced Network Technologies

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT. **Session:** Semester 1, Semester 2. **Classes:** 2 lee, 1 tut/wk. **Assumed Knowledge:** COMP5116 Internet Protocols and COMP5126 Distributed Systems Programming. **Assessment:** Assignments, written exam.

The unit introduces networking concepts beyond the best effort service of the core TCP/IP protocol suite. Provides understanding of the fundamental issues in building an integrated multi-service network for global Internet services, taking into account service objectives, application characteristics and needs and network mechanisms. Enables students to understand the core issues and be aware of proposed solutions so they can actively follow and participate in the development of the Internet beyond the basic bit transport service.

COMP 5424 Information Technology in Biomedicine

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT, Grad Dip IT, M Inf Tech. **Session:** Semester 1. **Classes:** 2 lee, 1 tut/wk. **Assessment:** Assignments, written exam.

Specialist/Elective

Information technology (IT) has significantly contributed to the research and practice of medicine, biology and health care. The IT field is growing enormously in scope with biomedicine taking a lead role in utilizing the evolving applications to its best advantage. The goal of this unit is to provide students with the necessary knowledge to understand the information technology in biomedicine. The major emphasis will be on the principles associated with biomedical digital imaging systems and their applications, computer modeling of biomedical systems, and biomedical system identification. Specialist areas such as medical image compression, telemedicine, Picture Archiving and Communication System (PACS), and web technology in biomedicine etc. will also be addressed.

COMP 5425 Multimedia Storage, Retrieval & Delivery

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT. **Session:** Semester 1. **Classes:** 2 lee, 1 tut/wk. **Assumed Knowledge:** COMP 5122 Multimedia Human Computer Interaction. **Assessment:** Assignments, written exam.

The unit covers Multimedia Storage and Compression, fundamental compression techniques, audio storage and compression, image storage and compression (JPEG, JBIG and JPEG2000), video storage and compression (MPEG, MPEG 1, MPEG2, MPEG4 and MPEG7), Multimedia Information Retrieval information retrieval fundamentals, visual information retrieval, video cataloguing and retrieval issues of multimedia systems and delivery image watermarking, video watermarking, video encryption, future HCI, progressive transmitted images and video, multicasting control, immersive video for future digital TV

COMP 5426 Network Based High Performance Computing

6 credit points. B IT, B IT (Hons), B Psych (Hons), B Sc (Hons), Grad Cert Appl IT, Grad Cert IT, M E S (Net Eng). **Session:** Semester 1. **Classes:** 2 lee, 1 tut/wk. **Assumed Knowledge:** COMP5126 Distributed Systems Programming. **Assessment:** Assignments, written exam.

This unit is intended to introduce and motivate the study of high performance computer systems. The student will be presented with the foundational concepts pertaining to the different types and classes of high performance computers. The student will be exposed to the description of the technological context of current high performance computer systems. Students will gain skills in evaluating, experimenting with, and optimizing the performance of high performance computers. The unit also provides students with the ability to undertake more advanced topics and courses on high performance computing.

Information Systems Honours

To be awarded Honours in Information Systems, a student must complete units of study to a total of 48 credit points, as approved by the School and the Faculty, as follows: 6 credit points of research preparation through the unit INFO 4990, covering a literature review and research plan, 18 credit points of research project through the unit INFO 4991 and 4992, and 24 credit points of coursework units of study, which, except with permission of the School and Faculty, must all be from 4000-level units of study which are in the subject area of Information Systems (that is, units of study or selected 5000-level units of study (see Honours units of study). Seek special permission from the School of Information Technologies for 5000-level units. 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

INFO 4010 IT Advanced Topic A

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 1. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Prerequisites:** Permission of Head of School. **Assessment:** Practical assignments, written assignments, exam.

NB: Department permission required for enrolment.

This unit will cover some topic of active research within IT; it will change in content depending on special opportunities such as a distinguished researcher visiting the University. Topics depend upon staff availability.

INFO 4011 IT Advanced Topic B

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 2. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Prerequisites:** Permission of Head of School. **Assessment:** Practical assignments, written assignments, exam.

NB: Department permission required for enrolment.

This unit will cover some topic of active research within IT; it will change in content depending on special opportunities such as a distinguished researcher visiting the University. Topics depend upon staff availability.

INFO 4990 IT Research Methods

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons), M Inf Tech Man. **Session:** Semester 1, Semester 2. **Classes:** 3 hrs/wk scheduled small-group class, plus 9 hrs/wk private work (including interaction with research supervisor). **Assumed Knowledge:** Elementary statistics. **Assessment:** Written papers (critical evaluation of a research paper, literature survey, research plan, thesis structure) and oral presentation.

NB: Department permission required for enrolment.

This unit forms a key foundation for the student's work on their IT-related research project within an Honours degree. It introduces the varied approaches to research common in different fields of IT, such as experimentation, simulation, prototyping/design, mathematical proof, surveys, and interpretive methods. The main focus is on understanding how research is done, and how it is evaluated. Key assessment tasks include writing a critical evaluation of a research paper from the literature, a survey of the literature within some topic, a research plan, and a presentation of a research plan. It is expected that the student would use their thesis research as the basis for this assessment, and use feedback provided in this unit to improve the work for inclusion in the final thesis.

ISYS 4050 Knowledge Management Systems

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 1. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Assumed Knowledge:** Information systems concepts, database concepts. **Prerequisites:** Credit average in 24 credit points of 3000-level study. **Assessment:** Practical assignments, written assignments, exam.

This unit will provide a comprehensive introduction to the emerging area of Knowledge Management from both technological and organisational perspectives. Topics include document repositories, ontologies and the semantic web, customer relationship management systems, communities of practice, and computer-supported cooperative work. Students will approach relevant research being done in the University of Sydney.

NETS 4047 Pervasive Computing

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 2. **Classes:** 2 hrs/wk scheduled small-group class, plus 10 hrs/wk private work. **Assumed Knowledge:** Networking concepts, operating system concepts, programming expertise. **Prerequisites:** Credit average in 24 credit points of 3000-level study. **Assessment:** Practical assignments, written assignments, exam.

Pervasive computing deals with the likely future where many computational devices are widely dispersed in the environment: there will be sensors in rooms, people will carry PDAs or mobile phones with capacity for running sophisticated software, etc, there may be chips in one's clothing. Key issues include communication between the devices and humans; interpretation of, and adapting computation to, the human context; managing the information and communication efficiently so knowledge gets to the places where it is needed. Students will approach the relevant research being done in the University of Sydney.

INFO 4991 IT Research Thesis A

6 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 1, Semester 2. **Classes:** 12 hrs/wk research work (including interaction with supervisor and research group). **Corequisites:** ESTF04990 and ESTF04992. **Assessment:** Thesis. Together with INF04992, this unit covers the research and writing of the student's Honours thesis.

INFO 4992 IT Research Thesis B

12 credit points. B C S T (Hons), B IT (Hons), B Sc (Hons). **Session:** Semester 1, Semester 2. **Classes:** 24 hrs/wk research work (including interaction with supervisor and research group). **Corequisites:** INFO4990 and ESTF04991. **Assessment:** Thesis. Together with INF04991, this unit covers the research and writing of the student's Honours thesis.

INFO 4999 Computer Science Honours Result

0 credit points. B C S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Permission of the Head of Department.

NB: Department permission required for enrolment.

All students in Computer Science Honours must enrol in this non assessable unit of study in their final semester.

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 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.

The Faculty of Law is undertaking a curriculum review, anticipated to be completed in 2007. 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 earlier in this Chapter must contact the Faculty of Law for alternative unit of study codes for Federal Constitutional Law and Law, Lawyers and Justice.

LAWS 1006 Foundations of Law

6 credit points. B A, LL B, B Com, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, UG Study Abroad Program. **Session:** Semester 1. **Classes:** One 1 hr lecture & Two 2 hr seminars per week.

NB: Unit is part of Combined Law.

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:

- the development of judge made and statute law
 - the relationship between courts and parliament
 - the role and function of courts, tribunals and other forms of dispute resolution
 - understanding and interrogating principles of judicial reasoning and statutory interpretation
 - the relationship between law, government and politics
 - what are rights in Australian law, where do they come from and where are they going
- We will have a particular focus on indigenous Australia in exploring many of these issues, for example through the landmark Mabo decision.

LAWS 1010 Torts

6 credit points. B A, LL B, B Com, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two 2 hr seminars per week. **Prerequisites:** LAWS 1000 or LAWS 1006 Foundations of Law. **Prohibitions:** LAWS3001 Torts.

NB: Unit is part of the Combined Law program for students commencing in 2006.

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;
- (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, breach of duty, causation and remoteness of damage and assessment of damages;

- (j) Injuries to relational interests, including compensation to relatives of victims of fatal accidents;
- (k) Concurrent and vicarious liability;
- (l) Defences to negligence;
- (m) Breach of statutory duty;
- (n) Nuisance; and
- (o) Liability for animals.

LAWS 1008 Legal Research

0 credit points. B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, LL B, UG Study Abroad Program. **Session:** Semester 2, Semester 1.

Classes: 1hr per week over eleven weeks for Combined Law; 2hrs per week over seven weeks for Graduate Law.

This unit is a compulsory component of the Bachelor of Laws degree.

* Combined Law students undertake tuition at the Law School in their first year, with classes offered in either first or second semester depending on timetabling. The semester 1 'host' law unit will be Legal Institutions, and in semester 2 the 'host' law unit will be Torts.

* Graduate Law students undertake tuition in first semester of the first year. The 'host' substantive law subject will be Criminal Law.

The subject Legal Research aims:

- * to promote the proficient use by all students of a law library;
- * to introduce students to major Australian legal research aids, both in hard-copy and electronic format, and to discourage dependency;
- * to provide students with practice in finding and analysing relevant primary and secondary materials;
- * to promote efficient and effective research methods.

Legal Research is graded on a Pass/Fail basis. Attendance at all classes is mandatory. Classes will be of one hour duration, one per week, for eleven weeks for Combined Law students; of two hours duration, one per week, for seven weeks for Graduate Law students. Numbers will be limited to a maximum of 16 in each class. There will be continuous assessment throughout the semester. These will be one compulsory assignment and one compulsory exam.

LAWS 2008 Contracts

6 credit points. B A, LL B, B Com, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, LL B, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two 2 hr seminars per week. **Prerequisites:** LAWS1000 or LAWS1006 Foundations of Law. **Prohibitions:** LAWS 1002.

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 option Advanced Contracts.

LAWS 2009 Criminal Law

6 credit points. B A, LL B, B Com, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, LL B, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two 2 hr seminars per week. **Prohibitions:** LAWS 1003.

February Semester classes are for students in Graduate Law and July Semester classes are for students in Combined Law.

The Graduate Law class will commence in Week 2, to accommodate the Legal Institutions intensive. 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.

LAWS 3000 Federal Constitutional Law

10 credit points. B A, LL B, B Com, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, UG Study Abroad Program. **Session:** Semester 1. **Classes:** Two 2 hr seminars per week. **Prerequisites:** LAWS 1000 or 1006, Foundations of Law.

NB: Unit is part of Combined Law.

This unit of study aims to achieve an understanding of the principles of Australian constitutional law. The unit commences with a development of an understanding of Australia's constitutional independence, parliamentary sovereignty, indigenous rights and the concepts of representative and responsible government. Further topics covered include federalism (including the external affairs power and the relationship between Commonwealth and state laws); economic and financial power and relations (including the corporations power, the trade and commerce power, freedom of interstate trade, and excise); the doctrine of separation of powers and judicial power of the Commonwealth; express and implied constitutional rights; and principles of constitutional interpretation. The unit aims to develop a capacity to evaluate the principles critically, with regard to political theory and the social context within which cases have been decided.

LAWS 3002 Law, Lawyers and Justice

10 credit points. B A, LL B, B Com, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B, UG Study Abroad Program. **Session:** Semester 2. **Classes:** Two 2 hr seminars per week.

NB: Unit is part of the Combined Law program.

Law, Lawyers and Justice has a distinct intellectual focus. It is the only unit in the curriculum that concentrates on the regulation of the legal profession and legal practice. Part 1 of Law, Lawyers and Justice examines the nature and structure of the legal profession, historical struggles to regulate the profession, and the current regulatory regime in New South Wales. Part 2 explores specific forms of legal practice, highlights the major cultural and economic forces that challenge attempts to regulate the profession and canvasses alternative ways of organising legal practice and providing legal services. Part 3 investigates the adversary system and considers its advantages and limitations. More specifically, the material in Part 3 addresses how the adversary system moulds lawyers' behaviour within and outside the judicial process and analyses current regulatory measures aimed at curbing the undesirable aspects of an adversarial culture. Part 4 evaluates the way clients are treated by lawyers and suggests strategies to change their conduct in the interests of both equality and effective communication. Furthermore, it examines lawyer's 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.

ENGL 1000 University English

6 credit points. B A, B E, B S T, UG Study Abroad Program, UG Summer/Winter School. Dr. Thomas. **Session:** Semester 1, Semester 2, Summer, Winter. **Classes:** One 1-hr lecture and one 2-hr workshop per week. **Prerequisites:** This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native fluency in English. ENGL 1000 cannot be counted towards the junior credit points required to enrol in senior units of English. **Assessment:** One 750-word

essay One 1500-word essay One 1000-word critical reading task One oral presentation
A weekly journal.

University English is a practical unit designed to improve student writing at all undergraduate levels in a variety of formats across a range of disciplines. It is taught by means of lecture and workshops organized around exercises in rhetoric, style and grammar. Many writing and editing assignments are drawn from actual university documents, including examples of 'real' student writing.

Textbooks

The Elements of Style (Strunk and White), Fourth Edition and The Essentials of Academic Writing (Soles), First Edition

ENGL 1005 Language and Image

6 credit points. B A, B A (Media & Comm), B Int S, Dip Arts, UG Study Abroad Program. Mr. Ronalds. **Session:** Semester 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prohibitions:** ENGL 1050. **Assessment:** Two 500wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

This unit of study will introduce students to the construction of meaning in written and visual texts, using Graham Greene's novel *The Quiet American* and the film of the novel as focal points.

A range of other fiction, academic and media texts will be used to explore social processes of textual construction and interpretation. In the workshops, students will learn detailed analytic techniques, including close grammatical analysis, as tools for the interpretation of text and image. The lectures will introduce more descriptive topics, such as historical shifts in relations between language and image, narrative organisation, categories of text, and social agency and power in the production of text.

Textbooks

Greene, G. *The Quiet American* Butt, D., et al., *Using Functional Grammar: An Explorer's Guide*.
A Resource Book will be available from the University Copy Centre

LNGS 1005 Structure of English

6 credit points. B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program. Dr Jane Simpson. **Session:** Semester 1. **Classes:** One one-hour lecture with one 1hr seminar & one optional 1hr tutorial per week. **Prohibitions:** LNGS 1001 or LNGS 1004. **Assessment:** One 1hr exam, various written assignments and 1 essay.

This unit looks at the structure of English from the point of view of modern linguistics and focusses on written and spoken academic English. It will be especially valuable to non-native speakers of English in giving them an overview of how and why English works the way it does. Topics covered include: English vocabulary, phonetics; intonation; word types; count and mass nouns; verb types and sentence structures; auxiliary verbs and tense and mood; voice, topicality and information structure. Knowledge about the structure of English will be used to improve students' writing skills in collaboration with the Learning Centre.

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).

MARS 2005 Global Oceans (Introduction)

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lec/wk + 6 tutorials/sem + 1 day field trip. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Prohibitions:** MARS2001. **Assessment:** One 2hr exam, assignments.

NB: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.

This course is split into two sections: physical and geological oceanography. Major physical oceanography topics include the physical and chemical properties of ocean water, ocean circulation, waves and tides. Major geological oceanography topics include the origins and geological history of ocean basins, ocean volcanism, sediments and continental margins. Both the regional oceanography and continental shelf of Australia are emphasised. Although this is principally a lecture-based course, you will receive feedback on your understanding of the course content through regular assignments and six tutorials. The learning outcome you should expect at the end of the course is a broad knowledge of the fundamental concepts in physical and geological oceanography, and their particular relevance to the Australasian region. This provides the necessary background for senior-level Marine Science courses in which you will learn more advanced concepts, and also become involved in the practical and field-based aspects of marine science.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall

MARS 2006 Marine Ecosystems and Geomorphology

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Peter Cowell. **Session:** Semester 2. **Classes:** 3 lec + 6 tutorial/sem + 1 day field excursion. **Assumed Knowledge:** MARS2005. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Prohibitions:** MARS2002 and GEOG2002. **Assessment:** One 2hr exam, assignments. *NB: This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.*

This course is split into two sections: marine biology and coastal geomorphology. The marine biology section describes some of the ways that 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 coastal geomorphology section provides an introduction to coastal geomorphology by examining the geographic variability of coasts as the sum effect of variations in terrestrial, climatic and oceanographic factors. These factors are introduced in terms of the main physical processes (geology, sea-level, waves, tides, winds) governing coastal geomorphology on a range of space-time scales. Geographic variation in the physical processes is illustrated by reference to the local coast: ie, Sydney. The illustration is amplified by drawing comparisons with other parts of SE Australia, and with overseas examples (especially from coastal environments very different to that of Sydney).

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney

MARS 2007 Marine Science Field School

6 credit points. B Sc (Marine Science). Prof Andy Short. **Session:** SI Intensive. **Classes:** Field school, 4 x 3 hr pracs. **Prerequisites:** 24 credit points of Junior Science units. **Corequisites:** MARS (2005 or 2005).. **Prohibitions:** MARS2003. **Assessment:** Participation in field school, 2500w field report.

NB: This unit of study is available to students in the Bachelor of Science (Marine Science) only.

Marine Scientists are generally involved in a wide variety of field-work throughout their careers. A detailed knowledge of field methods and techniques is therefore a necessary component in the education of marine scientists. This unit of study introduces students to a range of field issues within the coastal and marine environment during a 5 day field school held prior to commencement of lectures in Semester 1. Many of the field methods focused on are generic across the marine disciplines. In addition, techniques specific to the disciplines of Biological Sciences and Geosciences are taught. Students will be expected to participate in a hands-on way, undertaking small project-based data collection exercises during the field school. These data will provide resources for the practical part of the course undertaken during semester.

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney
Pechenik JA (2003) *A Short Guide to Writing About Biology*, 5th edn. Addison Wesley Longman, Sydney

MARS 2905 Global Oceans (Introduction) (Advanced)

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lec/wk + 6 tutorials/sem + 1 day field trip. **Prerequisites:** 24 credit points of Junior Science units. **Prohibitions:** MARS2005, MARS200L. **Assessment:** One 2hr exam, 8 assignments, participation in field trip activities.

NB: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2005, while sharing the same lectures. The content and nature of these components may vary from year to year.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall.

MARS 2906 Marine Ecosystems and Geomorphology Adv

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Peter Cowell. **Session:** Semester 2. **Classes:** 3 lec + 6 tutorial/sem + 1 day field excursion. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Prohibitions:** MARS2006, MARS2002, GEOG2002.. **Assessment:** One 2hr exam and assignments.

NB: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2006, while sharing the same lectures. The content and nature of these components may vary from year to year.

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney

MARS 2907 Marine Science Field School (Advanced)

6 credit points. B A, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science). Prof Andy Short. **Session:** SI Intensive. **Classes:** Field school and prac/sem 3hr/wk. **Prerequisites:** 24 credit points of Junior Science units. **Corequisites:** MARS (2005 or

2905). **Prohibitions:** MARS2007, MARS2003. **Assessment:** 2500w field report and participation in field school activities.

NB: This unit of study is available to advanced students only.

Qualified students will participate in alternative components of MARS2007, while sharing the same practical and fieldwork. The content and nature of these components may vary from year to year.

Marine Science Senior units of study

Students intending to major in Marine Science should enrol in Senior units of study to a total worth of 24 credit points from the list below. Students in the Bachelor of Science (Marine Science) 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. 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. Each student should also complete a preliminary enrolment form in the School of Biological Sciences before first semester commences.

Descriptions of 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

GEO S3 003 Dynamics of Continents and Basins

GEOS3009 Coastal Environments and Processes

GEOS3014 GIS in Coastal Management

GEOS3016 Seafloor Processes and Imaging

GEOS3017 Global Energy Exploration and Exploitation

GEOS3018 Rivers: Science, Policy and Management

(Plus Advanced versions of the above - BIOL39XX, GEOS39XX).

Marine Sciences Honours

Semester: 1, 2.

The structure of Honours in Marine Science (including in Tropical Marine Science for interested students in the Bachelor of Science (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.

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 Department of primary location of students will be made in the light of their proposed thesis topic. Joint supervision involving staff of more than one Department 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. 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)

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. 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.

NTMP 3001 Coral Reef Ecosystems

6 credit points. B Sc (Marine Science). **Session:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906). **Assessment:** Report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students.

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.

NTMP 3003 Fisheries Biology and Management

6 credit points. B Sc (Marine Science). **Session:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906). **Assessment:** Report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students.

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.

NTMP 3004 Aquaculture

6 credit points. B Sc (Marine Science). **Session:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906). **Assessment:** Assignments and report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students.

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.

NTMP 3005 Coastal Management

6 credit points. B Sc (Marine Science). **Session:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS(2005 or 2905) and MARS(2007 or 2907), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Corequisites:** MARS(2006 or 2906). **Assessment:** Assignment and report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students.

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 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 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 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. Web Site: Further information about all units of study is available [at www.maths.usyd.edu.au/Teaching.html](http://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 web site 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.

Introductory units of study

Students who have not studied a calculus course at high school may enrol in the Introductory Calculus 6-credit point unit.

MATH 1111 Introduction to Calculus

6 credit points. B A, B E, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 2 tut/week. **Assumed Knowledge:** At least Year 10 Mathematics. **Prohibitions:** MATH1001, MATH 1901, MATH1011, MATH1906. **Assessment:** One 2 hr exam, assignments, quizzes.

NB: 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 Multivariate. Hughes-Hallett, Gleason, McCallum, et al. Wiley, (special edition, details to be advised).

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.

Relation 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 MATH 1011 are encouraged to enrol in normal units of study in subsequent semesters. Students obtaining a Distinction or better in MATH 1011, 1012 or 1013 may proceed to Intermediate units of study in the Mathematics Discipline Area. Students with a Credit or better in MATH 1011 and a Pass or better in MATH 1015 may proceed to Intermediate units of study in the Statistics discipline area. Students with a Pass in only MATH 1015 are limited to the Intermediate Statistics units of study STAT 2011 and STAT 2012.

MATH 1011 Life Sciences Calculus

3 credit points. B A, B Agr Ec, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B Ed, B Sc (Psych), B Med Sc, B Pharm (Rural), B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG. **Session:** Summer, Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** MATH (1111 or 1001 or 1901 or 1906).. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1011 is designed to provide calculus for students of the life sciences who do not intend to undertake higher year mathematics and statistics.

This unit of study looks at the fitting of data to various functions, introduces finite difference methods, 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

MATH 1013 Differential and Difference Equations

3 credit points. B A, B Agr Ec, B Com, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics or MATH 1111. **Prohibitions:** MATH (1003 or 1903 or 1907).. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1013 is designed to provide the theory of difference and differential equations 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

MATH 1014 Introduction to Linear Algebra

3 credit points. B A, B E, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee, 1 tut/week. **Assumed Knowledge:** HSC Mathematics or MATH1111. **Prohibitions:** MATH 1012, MATH 1002, MATH 1902. **Assessment:** One 1.5 hr 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 (Special edition, details to be advised)

MATH 1015 Life Science Statistics

3 credit points. B A, B Agr Ec, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B Ed, B Sc (Psych), B Med Sc, B Pharm, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study.. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1015 is designed to provide a thorough preparation in statistics for students of the Life [Sciences](http://www.usyd.edu.au/science). It offers a comprehensive introduc-

7. Science units of study

tion 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 & 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 MATH 1001, MATH 1002 and MATH 1004, knowledge equivalent to the HSC Mathematics Extension 1 course is assumed. The assumed knowledge for MATH 1005 is HSC 2-unit Mathematics. For MATH 1003 the assumed knowledge is MATH 1001 or HSC Mathematics Extension 2. Students who have a very good result in the equivalent of the HSC 2-unit course are encouraged to enrol in the Normal units of study but should discuss their plans with a Mathematics adviser.

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 MATH 1001, MATH 1002, MATH 1003 and (at least) one of MATH 1004 and MATH 1005. 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.

MATH 1001 Differential Calculus

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Summer, Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prohibitions:** MATH 1011 or 1901 or 1906 or 1111. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1001 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.

MATH 1002 Linear Algebra

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Summer. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prohibitions:** MATH 1902 or 1012 or 1014. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1002 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

MATH 1003 Integral Calculus and Modelling

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2 or MATH 1001 or MATH 1111. **Prohibitions:** MATH 1013 or 1903 or 1907. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1003 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 Engineer-

ing. This unit of study first develops the idea of the definite integral from Riemann sums, leading to the Fundamental Theorem of Calculus. Various forms 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

MATH 1004 Discrete Mathematics

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prohibitions:** MATH 1904 or MATH2011. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1004 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

MATH 1005 Statistics

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Pharm (Rural), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **Prohibitions:** MATH (1905 or 1015) or ECMT Junior units of study or STAT (1021 or 1022). **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1005 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 & 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 enrol in these units of study but should discuss their plans with a Mathematics adviser.

Relation to other units of study and recommendation

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 MATH 1901, MATH 1902, MATH 1903 and (at least) one of the units MATH 1904 and MATH 1905. 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.

MATH 1901 Differential Calculus (Advanced)

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2. **Prohibitions:** MATH (1111 or 1011 or 1001 or 1906). **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1901 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 MATH 1001 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH 1902 Linear Algebra (Advanced)

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2. **Prohibitions:** MATH (1002 or 1012 or 1014). **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1902 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 MATH 1002 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH 1903 Integral Calculus and Modelling Advanced

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2 or Credit or better in MATH (1001 or 1901). **Prohibitions:** MATH (1003 or 1013 or 1907). **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1903 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 MATH 1003 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH 1904 Discrete Mathematics (Advanced)

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2. **Prohibitions:** MATH1004 or MATH2011. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1904 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 of study parallels the normal unit MATH 1004 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH 1905 Statistics (Advanced)

3 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2. **Prohibitions:** MATH (1005 or 1015) or ECMT Junior units of study or STAT (1021 or 1022). **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1905 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 MATH 1005 but goes more deeply into the subject matter and requires more mathematical sophistication.

Textbooks

As set out in the Junior Mathematics Handbook

MATH 1906 Mathematics (Special Studies Program) A

3 credit points. B A, B Com, B E, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee, 1

sem, 1 tut/wk. **Prerequisites:** UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation. **Prohibitions:** MATH (1111 or 1001 or 1011 or 1901). **Assessment:** One 1.5hr exam, assignments, classwork.

NB: 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 MATH 1901 Differential Calculus (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

MATH 1907 Mathematics (Special Studies Program) B

3 credit points. B A, B Com, B E, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee, 1 sem & 1 tut/wk. **Prerequisites:** Distinction in MATH1906; by invitation. **Prohibitions:** MATH (1003 or 1013 or 1903). **Assessment:** One 1.5hr exam, assignments, classwork.

NB: 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) MATH 2968
- 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 MATH 2068
- Real and Complex Analysis (Adv) MATH 2962

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 MATH 2063
- Mathematical Computing & Nonlinear Systems (Adv) MATH 2963
- Optimisation & Financial Mathematics MATH 2070
- 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 MATH 2061 or 2961, and MATH 2065 or 2965.

Students intending to specialise in Pure Mathematics should include MATH 2061 or 2961. Students considering Honours in Pure Mathematics should also take MATH 2962 and MATH 2968.

Computer Science students may like to include MATH 2069 or 2969 among their choices.

Physics students would be well-advised to choose MATH 2061 or 2961, and MATH 2065 or 2965.

Prospective teachers of mathematics should consider MATH 2061 and 2068.

MATH 2916 Working Seminar A (SSP)

3 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 1hr seminar/wk. **Prerequisites:** By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics. **Assessment:** 1 hour presentation, 15-20 page essay.

NB: 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.

MATH 2917 Working Seminar B (SSP)

3 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 1hr seminar/wk. **Prerequisites:** By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics. **Assessment:** 1 hour presentation, 15-20 page essay.

NB: 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.

MATH 2061 Linear Mathematics and Vector Calculus

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Res Ec, B S T, B Sc, UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Summer. **Classes:** 3 lee, 1 tut and 1 practice class/wk. **Prerequisites:** MATH (1111 or 1001 or 1901 or 1906) and MATH (1014 or 1002 or 1902) and MATH (1003 or 1903 or 1907). **Prohibitions:** MATH (2001 or 2901 or 2002 or 2902 or 2961 or 2067). **Assessment:** 3 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, though cylinders, spheres and parametrised surfaces), Gauss' Divergence Theorem and Stokes' Theorem.

MATH 2961 Linear Mathematics & Vector Calculus Adv

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 4 lee & 1 tut/wk. **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:** MATH (2001 or 2901 or 2002 or 2902 or 2061 or 2067). **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.

MATH 2962 Real and Complex Analysis (Advanced)

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut & 1 practice class/wk. **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:** MATH (2007 or 2907). **Assessment:** 2 hour exam, assignments.

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.

MATH 2063 Math Computing and Nonlinear Systems

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut, 1 computer lab/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:** MATH (2003 or 2903 or 2006 or 2906 or 2963). **Assessment:** 3hr 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.

MATH 2963 Math Computing & Nonlinear Systems (Adv)

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut, 1 computer lab/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:** MATH (2003 or 2903 or 2006 or 2906 or 2063). **Assessment:** 3 hr 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.

MATH 2065 Partial Differential Equations (Intro)

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Res Ec, B Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut, 1 example class/week. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). **Prohibitions:** MATH (2005 or 2905 or 2965 or 2067). **Assessment:** 3 hr 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.

MATH 2965 Partial Differential Equations Intro Adv

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut, 1 computer lab/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:** MATH (2005 or 2905 or 2065 or 2067). **Assessment:** 3 hr 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. Some use is made of computer programs such as Mathematica. Methods for PDEs (partial differential equations) and boundary-value problems include separation of variables, Fourier series and Fourier transforms.

MATH 2068 Number Theory and Cryptography

6 credit points. B A, B Com, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

Session: Semester 2. **Classes:** 3 lee, 1 tut & 1 computer lab/wk. **Prerequisites:** 9 credit points of Junior level Mathematics including MATH (1002 or 1902). **Prohibitions:** MATH (3024 or 3009). **Assessment:** 3 hour exam, assignments, quizzes.

Cryptography is the branch of mathematics that provides the techniques for confidential exchange and authentication of information sent over public networks. This unit introduces tools from elementary number theory, then applies them to the analysis of block ciphers

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 sociology of science.

Textbooks
Course reader

HPSC 4108 Core topics: History & Philosophy of Sci

6 credit points. B A, B Med Sc (Hons), B Sc (Hons), Grad Cert Sc (H P S), PG Coursework Exchange, PG Summer/Winter School. HPS staff. **Session:** Semester 2, Semester 1. **Classes:** 1 sem/wk. **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.

NB: 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

HPSC 4201 HPS Research Project 1

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), Grad Cert Sc (H P S), HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107. **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental 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.

HPSC 4202 HPS Research Project 2

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **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. **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental 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.

HPSC 4203 HPS Research Project 3

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107. **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental 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.

HPSC 4204 HPS Research Project 4

6 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons), HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107. **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental 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.

HPSC 4999 History & Philosophy of Science Honours

0 credit points. B A (Hons), B Med Sc (Hons), B Sc (Hons). **Session:** Semester 1, Semester 2. **Prerequisites:** Available only to students admitted to HPS Honours.

NB: 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

A/Prof Helen Briscoe

Immunology in 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 an accompanying Senior unit 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 (IMMU 2101) at Intermediate level, Molecular and Cellular Immunology (IMMU 3102) and Immunology in Human Disease (IMMU 3202) at Senior level, and Immunology Honours. Further information can be obtained from Helen Briscoe (phone: (02) 9351 7308, email: hbriscoe@med.usyd.edu.au).

IMMU 2101 Introductory Immunology

6 credit points. B Sc, B Sc (Molecular Biology & Genetics), UG Study Abroad Program. A/Prof Helen Briscoe. **Session:** Semester 1. **Classes:** 2x 1hr lectures/week, 3 hr tutorial or practical or independent study/week. **Assumed Knowledge:** Junior Biology and Junior Chemistry. **Prerequisites:** 24 credit points of Junior units of study from any of the Science discipline areas. **Prohibitions:** IMMU 2001, BMED2506, BMED2807. **Assessment:** One 2 hr examination (60%), one 2000 word essay (20%), on-line quizzes and tutorial group presentation (20%).

NB: 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

Basic Immunology Functions and Disorders of the Immune System.
AK Abbas & AH Lichtman. Saunders 2004

IMMU 3102 Molecular and Cellular Immunology

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Allison Abendroth. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 prac/fortnight. **Assumed Knowledge:** Intermediate biochemistry and molecular biology and genetics. **Prerequisites:** IMMU 2101 or IMMU2001 or BMED 2807 or BMED2506 and 6CP of Intermediate units of study from Biochemistry, or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Prohibitions:** IMMU 3002, BMED 3003. **Assessment:** Progressive assessment: 40% includes practical assessment (lab quizzes/practical assignment), 2000w essay, tutorial presentation, Formal examination: 60% one 2hr exam. *NB: The completion of 6 CP of MBLG units of study is highly recommended. Concurrent study of IMMU 3202 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, IMMU 2101 - Introductory Immunology and BMED 2807 - Microbes & Body Defences (formerly IMMU 2001 and BMED 2506). 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

and stream ciphers, as the foundation for modern public key cryptography.

MATH 2968 Algebra (Advanced)

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002). **Prohibitions:** MATH (2908 or 2918 or 2008). **Assessment:** 3 hour exam, assignments.

This unit provides an introduction to modern abstract algebra, via linear algebra and group theory. It starts with a revision of linear algebra concepts from Junior Mathematics and MATH2961, and proceeds with a detailed investigation of inner product spaces over the real and complex fields. Applications here include least squares lines and curves of best fit, and approximation of continuous functions by finite Fourier series. Further topics in linear algebra covered in this unit include dual space, quotient spaces and (if time permits) possibly tensor products. The second part of the unit is concerned with introductory group theory, motivated by examples of matrix groups and permutation groups. Topics include actions of groups on sets, including linear actions on vector spaces. Subgroups, homomorphisms and quotient groups are investigated, and the First Isomorphism Theorem is proved.

MATH 2069 Discrete Mathematics and Graph Theory

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** 6 credit points of Junior level Mathematics. **Prohibitions:** MATH (2011 or 2009 or 2969). **Assessment:** Two 1.5 hour exams, assignments, quizzes.

We introduce 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, including connections with probability theory, asymptotics and analysis of algorithms, set theory and logic. 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.

MATH 2969 Discrete Mathematics & Graph Theory Adv

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at the normal level). **Prohibitions:** MATH (2011 or 2009 or 2069). **Assessment:** Two 1.5 hour exams, assignments, quizzes.

This unit will cover the same material as MATH2069 with some extensions and additional topics.

MATH 2070 Optimisation and Financial Mathematics

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 computer lab. **Assumed Knowledge:** MATH (1003 or 1903 or 1907). **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902). **Prohibitions:** MATH (2010 or 2033 or 2933 or 2970), ECMT3510. **Assessment:** 3 hr exam, assignments, quiz, project.

NB: 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 the important class of linear optimisation programming problems and their solution using the simplex algorithm.

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.

MATH 2970 Optimisation & Financial Mathematics Adv

6 credit points. B A, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, computer lab (lectures given in common with MATH2070). **Assumed Knowledge:** MATH (1903 or 1907) or Credit in MATH1003. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002). **Prohibitions:** MATH (2010 and 2033 and 2933 and 2070). **Assessment:** 3 hr exam, assignments, quizzes.

NB: 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 (earlier in this Chapter). Alternatively, consult the School directly.

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
- MATH3068 Analysis
- MATH3076 Mathematical Computing
- MATH3961 Metric Spaces (Advanced)
- MATH3962 Rings, Fields and Galois Theory (Adv)
- MATH3963 Differential Equations and Biomaths (Adv)
- MATH3974 Fluid Dynamics (Advanced)
- MATH3976 Mathematical Computing (Advanced)

Semester 2

- MATH3061 Geometry and Topology
- MATH3062 Algebra and Number Theory
- MATH3067 Information and Coding Theory
- MATH3075 Financial Mathematics
- MATH3078 PDEs and Waves
- MATH3964 Complex Analysis with Applications (Adv)
- MATH3966 Modules and Group Representations (Adv)
- MATH3968 Differential Geometry (Adv)
- MATH3969 Measure Theory & Fourier Analysis (Adv)
- 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..

MATH 3061 Geometry and Topology

6 credit points. B A, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut per week. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3001, MATH3006. **Assessment:** 2 hr 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, emphasizing 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.

MATH 3961 Metric Spaces (Advanced)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3hr lee, 1hr tut/wk. **Assumed Knowledge:** MATH2961 or MATH2962. **Prerequisites:** 12 credit points of Intermediate Mathematics units. **Prohibitions:** MATH3901, MATH3001. **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.

MATH 3062 Algebra and Number Theory

6 credit points. B A, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3962, MATH3902, MATH3002, MATH3009. **Assessment:** One 2hr exam, quizzes and assignments.

NB: 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 factorization. Polynomial rings, algebraic numbers, and constructive numbers are also discussed.

Textbooks

R.F.C. Walters, 'Number Theory: an Introduction', Carslaw Publications.
I. Niven, H.S. Zuckerman, H.L. Montgomery, 'An Introduction to the Theory of Numbers', Wiley.
I.N. Herstein, 'Topics in Algebra', Blaisdell.
L.N. Childs, 'A Concrete Introduction to Higher Algebra', Springer.

MATH 3962 Rings, Fields and Galois Theory (Adv)

6 credit points. B A, B Com, B IT (Hons), B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lectures, 1 tutorial/wk. **Assumed Knowledge:** MATH2961. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3062, MATH3902, MATH3002. **Assessment:** One 2hr exam, assignments and quizzes.

NB: 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.

MATH 3063 Differential Equations & Biomaths

6 credit points. B A, B Com, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1hr tut/wk. **Assumed Knowledge:** MATH2061. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3020, MATH3920, MATH3003, MATH3923, MATH3963. **Assessment:** 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.

MATH 3963 Differential Equations & Biomaths (Adv)

6 credit points. B A, B Com, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1hr tut/wk. **Assumed Knowledge:** MATH2961. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3020, MATH3920, MATH3003, MATH3923, MATH3063. **Assessment:** One 2hr 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.

MATH 3964 Complex Analysis with Applications (Adv)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1hr tut/wk. **Assumed Knowledge:** MATH2962. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3904, MATH3915. **Assessment:** One 2hr 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.

MATH 3065 Logic and Foundations

6 credit points. B A, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1hr tut/wk. **Prerequisites:** 6 credit points of Intermediate Mathematics. **Prohibitions:** MATH3005. **Assessment:** One 2hr 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.

MATH 3966 Modules and Group Representations (Adv)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Assumed Knowledge:** MATH3962. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3906, MATH3907. **Assessment:** One 2hr 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.

MATH 3067 Information and Coding Theory

6 credit points. B A, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3007, MATH3010. **Assessment:** One 2hr 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.

MATH 3068 Analysis

6 credit points. B A, B Com, B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3hr lee, 1hr tut/wk. **Prerequisites:** 12cp of Intermediate Mathematics. **Prohibitions:** MATH3008, MATH2007, MATH2907, MATH2962. **Assessment:** One 2hr 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.

MATH 3968 Differential Geometry (Advanced)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1 tut/wk. **Assumed Knowledge:** At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level. **Prerequisites:** 12 credit points of Intermediate Mathematics, including

MATH2961. **Prohibitions:** MATH3903. **Assessment:** One 2hr 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.

MATH 3969 Measure Theory & Fourier Analysis (Adv)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Assumed Knowledge:** At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level. **Prerequisites:** 12 credit points Intermediate Mathematics. **Prohibitions:** MATH3909. **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.

MATH 3974 Fluid Dynamics (Advanced)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3hr lee, 1hr tut/wk. **Assumed Knowledge:** MATH2961, MATH2965. **Prerequisites:** 12 credit points of Intermediate Mathematics with average grade of at least Credit. **Prohibitions:** MATH3914. **Assessment:** One 2hr 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.

MATH 3075 Financial Mathematics

6 credit points. B A, B Com, B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3975, MATH3015, MATH3933. **Assessment:** Two class Quizzes and One 2hr 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.

MATH 3975 Financial Mathematics (Advanced)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average. **Prohibitions:** MATH3933, MATH3015, MATH3075. **Assessment:** Two class Quizzes and One 2hr 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 ad-

vantage, 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.

MATH 3076 Mathematical Computing

6 credit points. B A, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr D J Ivers. **Session:** Semester 1. **Classes:** 3hr lee, 1hr lab/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics and one of MATH0001 or 1003 or 1901 or 1903 or 1906 or 1907. **Prohibitions:** MATH 3976, MATH3016, MATH3916. **Assessment:** One 2 hr 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.

MATH 3976 Mathematical Computing (Advanced)

6 credit points. B A, B Com, B IT (Hons), B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr D J Ivers. **Session:** Semester 1. **Classes:** 3hr lee, 1hr lab/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics and one of MATH(1903 or 1907) or Credit in MATH 1003. **Prohibitions:** MATH 3076, MATH 3016, MATH3916. **Assessment:** One 2 hr exam, assignments, quizzes. See entry for MATH3076 Mathematical Computing.

MATH 3977 Lagrangian & Hamiltonian Dynamics (Adv)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr. Leon Poladian. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average. **Prohibitions:** MATH2904, MATH2004, MATH3917. **Assessment:** One 2 hr exam and assignments.

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.

MATH 3078 PDEs and Waves

6 credit points. B A, B Com, B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Assumed Knowledge:** MATH(2061/2961) and MATH(2065/2965). **Prerequisites:** 12 credit points of Intermediate Mathematics. **Prohibitions:** MATH3978, MATH3018, MATH3921. **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

D L Powers. Boundary Value Problems. Harcourt-Brace 4th Edition. 1999.

MATH 3978 PDEs and Waves (Advanced)

6 credit points. B A, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3hr lee, 1hr tut/wk. **Assumed Knowledge:** MATH(2061/2961) and MATH(2065/2965). **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average. **Prohibitions:** MATH3078, MATH3018, MATH3921. **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

D L Powers. 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.

The units of study (each 6 credit points) are listed below:

February Semester

- Statistical Models STAT 2011

- Probability and Statistical Models (Adv) STAT 2911

July Semester

- Statistical Tests STAT 2012

- Statistical Tests (Advanced) STAT 2912

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.

Relation to other units of study and recommendations

Students should note that all Senior Statistics units of study have statistics prerequisites and some require MATH 1003 or 1903 or MATH 1002 or 1902. MATH 2061 or MATH 2961 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 MATH 2061 or 2961. If you do not intend to major in Statistics but want a solid introduction to Applied Statistics, you should take STAT 2012 in your second semester.

STAT 2011 Statistical Models

6 credit points. B A, B Com, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut, 1 computer lab/wk. **Prerequisites:** MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021]. **Prohibitions:** STAT (2901 or 2001 or 2911). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

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.

STAT 2012 Statistical Tests

6 credit points. B A, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B E, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut, 1 computer lab per wk. **Assumed Knowledge:** STAT (2011 or 2002). **Prerequisites:** MATH (1005 or 1905 or 1015). **Prohibitions:** STAT (2004 or 2912). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

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.

STAT 2911 Probability and Statistical Models (Adv)

6 credit points. B A, B Com, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut, 1 computer lab/wk. **Prerequisites:** MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005). **Prohibitions:** STAT (2001 or 2011 or 2901). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

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 intro-

duced. 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.

STAT 2912 Statistical Tests (Advanced)

6 credit points. B A, B Com, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut, 1 computer lab/wk. **Assumed Knowledge:** STAT (2911 or 2901). **Prerequisites:** MATH1905 or Credit in MATH1005. **Prohibitions:** STAT (2004 or 2012). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

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.

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

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.

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.

STAT 3011 Stochastic Processes and Time Series

6 credit points. B A, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut/wk, 10 computer labs /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 3hr exam, assignments / quizzes, 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.

STAT 3911 Stochastic Processes and Time Series Adv

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut/wk plus an extra lecture on advanced material in the first half of the semester. 7 computer labs (on time series) in the second half

of the semester. **Prerequisites:** (STAT2911 or credit in STAT2011) and MATHQ003 or 1903 or 1907). **Prohibitions:** STAT3011, STAT3003, STAT3903, STAT3005, STAT3905.. **Assessment:** One 3hr exam, assignments / quizzes, 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.

STAT 3012 Applied Linear Methods

6 credit points. B A, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut & 1 computer lab/wk. **Prerequisites:** STAT(2012 or 2912 or 2004) and MATH(1002 or 1902). **Prohibitions:** STAT3912, STAT3002, STAT3902, STAT3004, STAT3904. **Assessment:** One 3hr exam, assignments / quizzes, computer practical reports, one 1hr computer practical class assessment task.

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 S-PLUS (or R) statistical packages to give analyses and graphical displays.

STAT 3912 Applied Linear Methods Advanced

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 3 lee, 1 tut, 1 computer lab/wk. **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 3hr exam, assignments / quizzes, computer practical reports, one 1hr computer practical class assessment task.

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.

STAT 3013 Statistical Inference

6 credit points. B A, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut, 1 computer lab /wk. **Prerequisites:** STAT(2012 or 2912 or 2003 or 2903). **Prohibitions:** STAT3913, STAT3001, STAT390L. **Assessment:** One 3hr exam, assignments / quizzes, computer practical reports, one 1hr computer practical class assessment task.

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 weekly computer classes (using S-PLUS or R software packages) we will illustrate the various estimation techniques and give an introduction to computationally intensive methods like Monte Carlo, Gibbs sampling and EM-algorithm.

STAT 3913 Statistical Inference Advanced

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee, 1 tut, 1 computer lab/wk. **Prerequisites:** STAT(2912 or 2903). **Prohibitions:** STAT3013, STAT3001, STAT390L.. **Assessment:** One 3hr exam, assignments / quizzes, computer practical reports, one 1hr computer practical class assessment task.

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.

STAT 3014 Applied Statistics

6 credit points. B A, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lectures, 1 tutorial, 1 computer lab/wk. **Assumed Knowledge:** STAT(3012 or 3912). **Prerequisites:** STAT(2012 or 2912 or 2004). **Prohibitions:** STAT3914, STAT3002, STAT3902, STAT3006. **Assessment:** One 3hr exam, assignments / quizzes, computer practical reports, one 1hr computer practical assessment task.

This unit has three distinct but related components: Multivariate analysis; sampling and surveys; and generalized 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.

STAT 3914 Applied Statistics Advanced

6 credit points. B A, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lectures and 1 computer lab/wk plus an extra hour each week which will alternate between lectures and tutorials. **Assumed Knowledge:** STAT3912. **Prerequisites:** STAT2912 or credit or better in (STAT2004 or STAT2012). **Prohibitions:** STAT3014, STAT3002, STAT3902, STAT3006, STAT3907.. **Assessment:** One 3 hr exam, quizzes, computer practical reports, one 1 hr computer practical assessment task.

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.

Mathematics & Statistics Honours

The School of Mathematics and Statistics offers three Honours programs for students who have completed at least 24 credit points of Senior units of study in appropriate subject areas and who are of sufficient merit. The programs are:

- Applied Mathematics
- Mathematical Statistics
- Pure Mathematics

Honours units of study consist of both formal coursework and an essay or project. There is provision for students to take approved units of study from other research areas within the School and from other Departments. The essay or project is a substantial part of the year's assessment and is closely supervised by a staff member. Students are required to prepare a talk about their essay or project topics.

Interested students should contact the fourth year coordinator at some convenient time before pre-enrolment. Senior level students contemplating an Honours year are strongly advised to consult the Senior unit of study handbooks for further advice and to discuss their choice of Senior units of study with the appropriate Senior level coordinator.

Further details of the Honours year are available from the coordinators for Applied Mathematics 4, Mathematical Statistics 4 and Pure Mathematics 4 and the respective unit of study handbooks.

Media and Communications units of study

The following units of study are only available to students in the Bachelor of Science Media and Communications degree.

ENGL 1005 Language and Image

6 credit points. B A, B A (Media & Comm), B Int S, Dip Arts, UG Study Abroad Program. Mr. Ronalds. **Session:** Semester 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prohibitions:** ENGL 1050. **Assessment:** Two 500wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

This unit of study will introduce students to the construction of meaning in written and visual texts, using Graham Greene's novel *The Quiet American* and the film of the novel as focal points. A range of other fiction, academic and media texts will be used to explore social processes of textual construction and interpretation. In the workshops, students will learn detailed analytic techniques, including close grammatical analysis, as tools for the interpretation of text and image. The lectures will introduce more descriptive topics, such as historical shifts in relations between language and image, narrative organisation, categories of text, and social agency and power in the production of text.

Textbooks

Greene, G. *The Quiet American* Butt, D., et al., Using Functional Grammar: An Explorer's Guide.

A Resource Book will be available from the University Copy Centre

MECO 1001 Australian Media Studies

6 credit points. B A (Media & Comm), B Sc Media Comm, UG Study Abroad Program. Dr. M Brennan. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Assessment:** One 1500 word essay (30%); One 1500 word essay (40%); one 2hr exam (30%).

NB: Available to BA(Media and Comm) and BSc (Media & 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 stu-

dents 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

Alan McKee, *Textual Analysis: A Beginner's Guide*, SAGE London, 2003
It is recommended that students purchase a reader from the Copy Centre.

MECO 1003 Principles of Media Writing

6 credit points. B A (Media & Comm), B Sc Media Comm, UG Study Abroad Program. A/Prof Lumby. **Session:** Semester 1. **Classes:** One 2hr lecture, one 1hr tutorial. **Assessment:** 400-word news story (20 %); 500-word colour news story (20 %); 700-word broadcast script (20%); Two hour examination (30 %).

NB: Available to BA(Media and Comm) and BSc (Media & 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 ; David Conley, *The Daily Miracle: An Introduction to Journalism*, Oxford University Press, Melbourne, 1997; Style, News Custom, 2005.

MECO 2601 Radio Broadcasting

6 credit points. B A (Media & Comm), B Sc Media Comm, Dr Anne Dunn. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 2 hour workshop. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO 2001. **Assessment:** One 1500 word essay, one production diary, radio scripts and final work (equivalent 1000 words), one 2 hour examination.

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

This unit of study provides an introduction to the history of radio and to the theory and practice of radio production, by combining theoretical analysis with practical experience. The unit has a strong practical component in which students will research, script, record and edit a radio news story and a radio magazine item.

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

MECO 2603 Media Relations

6 credit points. B A (Media & Comm), B Sc Media Comm, UG Study Abroad Program. Dr. Richard Stanton. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO2003. **Assessment:** 4000-4500 words of practical assignments.

NB: Available to BA(Media and Comm) and BSc (Media & 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. It 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.

MECO 3601 Video Production

6 credit points. B A (Media & Comm), B Sc Media Comm, Dr Steven Maras. **Session:** Semester 2. **Classes:** One 2hr lecture, one 2hr workshop. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL 1050 or ENGL 1005 or LNGS1005. **Prohibitions:** MECO 3001. **Assessment:** Individual news study (15%); Group produced video and tutorial presentation (40%); production log & reflection statement (15%); 2 hr exam (30%).

NB: Available to BA(Media and Comm) and BSc (Media & 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

Mollison, Martha (2003). *Producing Videos: A Complete Guide*. 2nd edition. AFTRS/Allen & Unwin: Sydney. There is a recommended Reader, available from the University Copy Centre.

MECO 3602 Online Media

6 credit points. B A (Media & Comm), B Sc Media Comm, Ms Crawford. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO 3002. **Assessment:** One web site worth 40%; one production log (15%); one two hour exam (30%); one web site proposal (10%); tutorial participation (5%).

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

This unit will examine the role of the Internet, new media and the way the web is changing the media landscape. It explores the development and growth of the Internet, and provides a critical framework

in which to understand the current industry. By the end of the unit, students will be familiar with key theoretical and cultural issues in online media, and will engage in both offline and online analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will design and develop their own web sites.

Textbooks

Flew, Terry (2005), 'New Media: An Introduction'. 2nd Edition. Melbourne: Oxford University Press. pp280. ISBN 0195550412. Students are also recommended to purchase the reader from the Copy Centre.

MECO 3603 Media, Law and Ethics

6 credit points. B A (Media & Comm), B Sc Media Comm, UG Study Abroad Program. Dr Anne Dunn (2006 only). **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO3003. **Assessment:** Tutorial paper and media law exercise, equiv.2500 wrds (60%), 2 hr exam (30%), participation & attendance (10%).

NB: Available to BA(Media and Comm) and BSc (Media & 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:

Lumby, Catharine, and Elspeth Probyn, Eds. (2003) 'Remote Control: New Media, New Ethics', Cambridge University Press, Melbourne.

Pearson, Mark (2004) 'The Journalist's Guide to Media Law: Dealing with Legal and Ethical Issues'. 2nd Edition. Allen and Unwin, Crows Nest.

MECO 3605 Media Globalisation

6 credit points. B A (Media & Comm), B Sc Media Comm, UG Study Abroad Program. Dr M Brennan. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 Junior credit points of MECO units and either ENGL 1000 or ENGL1050 or ENGL1005 or LNGS1005. **Prohibitions:** MECO3005. **Assessment:** One 2000 word essay (40%); Tutorial Presentation/Debate (20%); one 2hr exam (40%). *NB: NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only*

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

Stuart Cunningham and Graeme Turner (Ed.), The Media and Communications in Australia, Allen & Unwin, Sydney, 2002

It is recommended that students purchase a reader from the Copy Centre.

MECO 3671 Media and Communications Internship

6 credit points. B A (Media & Comm), B Sc Media Comm. Ms Blue. **Session:** Semester 1, Summer, Semester 2. **Classes:** There are no lectures, but attendance may be required at a programme of industry talks and/or student seminars. **Prerequisites:** 30 senior credit points of MECO, including MECO 3603 (which may be taken in the same semester). Students may not enrol in MECO 3671 prior to the second semester of their 3rd year. (MECO3002 and MECO 3003 (4th Years)). **Corequisites:** MECO3672 (4th Years) or MECO3602 and MECO3603 (3rd years). **Prohibitions:** MECO3701 and 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. The internship and journal is assessed on a satisfactory/unsatisfactory basis.

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

The internship consists of a work placement comprising a minimum of 20 working days in a media organisation, assisted and supervised by both the workplace and the department. Placements may include print, broadcast and online media, public relations and advertising organisations. Students will be required to present a journal recounting their experiences during the internship. In consultation with their supervisor, students will formulate a topic for their research essay.

MECO 3672 Internship Project

6 credit points. B A (Media & Comm), B Sc Media Comm. Ms Blue. **Session:** Summer, Semester 1. **Prerequisites:** 30 senior credit points of MECO, including MECO 3603 (which may be taken in the same semester). Students may not enrol in MECO 3671 prior to the second semester of their 3rd year. **Corequisites:** MECO3671 and MECO3002 and MECO3003 (4th Years) or MECO3671 and MECO3602 and MECO3603 (3rd years). **Prohibitions:** MECO3701 and MECO3702. **Assessment:** 4000-5000 word research essay. Students, in consultation with a supervisor, will formulate a topic for their research essay.

NB: Available to BA(Media and Comm) and BSc (Media & Communications) students only.

Students will be required to present a journal recounting their experiences during the internship and in consultation with a supervisor,

will formulate a topic for their 4000 word research essay. Students will be required to attend one or two seminars at the beginning of the semester, on how to conduct research.

Textbooks

Stokes, Jane (2002) How to do Media and Cultural Studies, London: Sage

Medical Science units of study

The following units of study are only available to students in the Bachelor of Medical Science 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.

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

BMED 2801 Cell Structure and Function

6 credit points. B Med Sc. Dr Vladimir Balcar. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, continuous assessment, prac reports.

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.

BMED 2802 Molecular Basis of Medical Sciences

6 credit points. B Med Sc. A/Prof Robin Allan. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, prac reports.

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.

BMED 2803 Cardiac, Respiratory and Renal Function

6 credit points. B Med Sc. Dr Irene Schneider. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, essay, prac reports.

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.

BMED 2804 Digestion, Absorption and Metabolism

6 credit points. B Med Sc. Prof Richard Christopherson. **Session:** Semester 2. **Classes:** 2 lee; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, prac reports.

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.

BMED 2805 Hormones, Reproduction and Development

6 credit points. B Med Sc. **Session:** Semester 2. **Classes:** 2 lee; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, essay, prac reports.

This unit of study examines hormonal control of human body processes. Specifically, students will investigate the structure and function of endocrine glands: 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 diabetes and obesity. This enables students to appreciate the extent of the contribution of hormones to organ co-ordination in response to circumstances such as starvation, obesity, exercise and diabetes. Students extrapolate to consider the regulation of fuel selection during exercise and the cause of fatigue. 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. The 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 onto 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 discussion of the development of the human embryo and cell differentiation. In the practical classes, students are introduced to a wide range of biochemical 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.

BMED 2806 Sensory and Motor Functions

6 credit points. B Med Sc. Dr Richard Ward. **Session:** Semester 1. **Classes:** 2 lee; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, prac reports.

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 co-ordinated 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 co-ordination 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.

BMED 2807 Microbes and Body Defences

6 credit points. B Med Sc. A/Prof Helen Briscoe. **Session:** Semester 2. **Classes:** 2 lee; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, continuous assessment, prac reports.

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.

BMED 2808 Disease in Society

6 credit points. B Med Sc. Helen Agus. **Session:** Semester 2. **Classes:** 2 lee; 5 tut or prac every 2 weeks. **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 exam; on-line quizzes, continuous assessment, prac reports.

Disease in Society seeks to integrate basic knowledge of important diseases, ranging from metabolic diseases through infections and

heart disease to 'social' diseases such as drug addiction and use of psychoactive compounds. 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.

Bachelor of Medical Science Senior Elective units of study

All students in the Bachelor of Medical Science can elect to take a maximum of 12 credit points of elective units in order to complete the requirements of the degree. This is an opportunity for students to study subjects outside the confines of the Medical Science degree. These elective units are taken in the Senior year.

There are almost no restrictions on what units may be taken as electives. Students may take further units in subjects which do not form part of the Intermediate and Senior core of the BMedSc degree, for example, Mathematics, Chemistry or Physics. They may choose subjects from other Science discipline areas which they have not previously studied, for example, Computer Science or Geology. Alternatively they may choose to study a subject from another faculty, for example, a language.

Exactly what elective units of study are taken, and when, is constrained principally by timetable considerations.

Students may not take additional units in medical science discipline area units in order to meet the elective requirements.

Beyond this there are no restrictions on the subjects which may be taken as electives. Students should note, however, that there may be restrictions on enrolment in particular units imposed by other faculties.

Students should consult degree information in Chapter 2, the Tables earlier in this chapter and the handbooks of other faculties for details of other possible choices.

INFD 3012 Infectious Diseases

6 credit points. B Med Sc, UG Study Abroad Program. A/Prof. Colin Harbour. **Session:** Semester 2. **Classes:** 2 lec/wk; 2 tut and 4 prac/fortnight. **Assumed Knowledge:** Intermediate microbiology, immunology, molecular biology and genetics. **Prerequisites:** 42 credit points of intermediate BMED units including BMED2807. **Assessment:** Formal examination: one 2hr exam, 60% Progressive assessment: includes lab, quizzes, 2000w essay, tutorial case presentation, poster presentation, 40%. **NB:** 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

Infectious Diseases: a clinical approach. Edited by Yung, McDonald et al. IP Communications 2005. ISBN 09578617.

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.

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 pre-requisites 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

MICR 2021 Introductory Microbiology

6 credit points. B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2.5 lec, 0.5 tut or prac & 2.0 prac/wk. **Prerequisites:** (6 credit points of Junior Biology or MBLG 1001) and 6 credit points of Junior Chemistry. **Prohibitions:** MICR (2921 or 2024 or 2001 or 2901 or 2003 or 2007 or 2011 or 2909). **Assessment:** One 2hr exam, continuous assessment in prac, two assignments, prac exam.

NB: 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 MBLG1001 or PLNT (2001 or 2901).

This unit of study aims to give the student sufficient knowledge and technical skills to provide a foundation for future study of microbiology. It is also suitable for students requiring a working knowledge of microbiology while specialising in related fields e.g. molecular biology.

Topics covered include history and scope of microbiology, methodology, comparative study of the major groups of microorganisms (bacteria, algae, protozoa, fungi and the viruses), a detailed study of bacteria including structure, classification and identification, growth, death and control.

An introduction to microbial ecology of soil and water, as well as examples of microbial interactions illustrates the significance of microorganisms in the global, natural cycles of synthesis and degradation.

The practical component focuses on basic, safe microbiological techniques and the use of these to study examples of microbial activity which are illustrative of the lecture series.

Textbooks

Prescott L M et al. Microbiology. 6th edn, WCB/McGraw-Hill, 2005

MICR 2022 Applied Microbiology

6 credit points. B An Vet Bio Sc, B E, B HortSc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2.5 lee, 0.5 tut or prac & 2.0 prac/wk. **Assumed Knowledge:** MICR (2021 or 2921 or 2024). **Prerequisites:** (6 credit points of Junior Biology or MBLG1001) and 6 credit points of Junior Chemistry. **Prohibitions:** MICR (2922 or 2002 or 2902 or 2004 or 2008 or 2012 or 2909). **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: 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 MBLG1001 or PLNT (2001 or 2901).

This unit of study is designed to expand the understanding of, and technical competence in, microbiology, building on the knowledge and skills acquired in Microbiology 2021 or 2921.

The lectures cover two broad topics: molecular microbiology of the organism and microbial biotechnology and applications. The molecular microbiology section covers aspects of microbial genetics and the structure and functioning of prokaryotic cells.

The microbial biotechnology section covers food and agricultural microbiology (production, spoilage and preparation, as well as the safety of foods) and aspects of public health and medical microbiology (host parasite relationships, host defences, epidemiology of selected diseases, prevention of disease). Industrial microbiology deals with large scale production, traditional products, recombinant DNA products, biosensors and biocontrol agents, biodeterioration and bioremediation.

Practical classes enable the study of material which both complements and supplements the lecture topics.

Work experience

On completion of MICR 2022 or 2922, students who have successfully completed MICR2021 and are enrolled in the BSc or BSc (Advanced) may be offered the opportunity to undertake work experience for approximately one month in a microbiology laboratory of choice (hospital, food, research, environmental, etc.), subject to availability of places.

Textbooks

Prescott L M et al. Microbiology. 6th edn, WCB/McGraw-Hill, 2005

MICR 2024 Microbes in the Environment

6 credit points. B Hort Sc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc Agr. Dr Andrew Holmes. **Session:** Semester 2. **Classes:** 2 lectures and 3 prac/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:** MICR (2021 or 2921 or 2001 or 2901 or 2003 or 2007 or 2011 or 2909). **Assessment:** One 2hr exam, weekly on-line quiz, project report and seminar.

NB: 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 MBLG1001 or PLNT (2001 or 2901).

This unit introduces the diversity of microbes found in soil, water, air, plants 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.

Textbooks

Atlas RM and Bartha R (1997) Microbial Ecology: Fundamentals and applications. 4th Edition. Benjamin/Cummings Scientific Publishing, Menlo Park, CA

MICR 2921 Introductory Microbiology (Advanced)

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2.5 lee, 0.5 tut or prac & 2.0 prac/wk. **Prerequisites:** 6 credit points of Junior Chemistry and Distinction in 6 credit points of Junior Biology or MBLG1001. **Prohibitions:** MICR (2021 or 2024 or 2001 or 2901 or 2003 or 2007 or 2011 or 2909). **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: 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 MBLG1001 or PLNT (2001 or 2901).

This unit of study is based on MICR2021 with approximately six alternative lectures/tutorials on advanced aspects of the material covered in MICR2021. The content and nature of these components may vary from year to year.

Textbooks

As for MICR2021

MICR 2922 Applied Microbiology (Advanced)

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2.5 lee, 0.5 tut or prac & 2.0 prac/wk. **Assumed Knowledge:** MICR (2021 or 2921 or 2024). **Prerequisites:** 6 credit points of Junior Chemistry and Distinction in 6 credit points of Junior Biology or MICR (2021 or 2921) or MBLG units. **Prohibitions:** MICR (2022 or 2002 or 2902 or 2004 or 2008 or 2012 or 2909). **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: 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 MBLG1001 or PLNT (2001 or 2901).

This unit of study is based on MICR2022 with approximately six alternative lectures/tutorials on advanced aspects of the material covered in MICR2022. The content and nature of the alternative components may vary from year to year.

Textbooks

As for MICR 2021

Microbiology Senior units of study**MICR 3011 Microbes in Infection**

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Helen Agus. **Session:** Semester 1. **Classes:** 2 hrs of lectures & 3hr prac/wk. **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 2hr 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. Infections of body systems: bacterial and fungal infections that are problematic at particular sites, host defences, virulence mechanisms;
2. Public health microbiology: epidemiology, international public health, parasitic infections and food microbiology;
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.

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 P.R. et al. Medical Microbiology. 5th ed., Mosby, 2005.

MICR 3911 Microbes in Infection (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Helen Agus. **Session:** Semester 1. **Classes:** 2.5 hrs of lectures & 3hr prac/wk. **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 2hr exam, in class theory assessment, continuous assessment, practical work.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3011 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

Murray P.R. et al. Medical Microbiology. 5th ed., Mosby, 2005.

MICR 3012 Molecular Biology of Pathogens

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr D Carter. **Session:** Semester 2. **Classes:** 2 hrs of lectures & 3hr prac/wk. **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 2hr exam, continuous assessment, practical work.

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, cell invasion and immune evasion in bacteria; bacterial and fungal toxins and their associated diseases; modern topics in microbiology using selected microbial pathogens as examples; and modern techniques in the analysis, diagnosis and prevention of microbial diseases.

Textbooks

Salyers A.A. and Whitt D.D. Bacterial Pathogenesis. A Molecular Approach. 2nd ed., ASM, 2002

MICR 3912 Molecular Biology of Pathogens (Adv)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr D Carter. **Session:** Semester 2. **Classes:** 2.5 hrs of lectures & 3hr prac/wk. **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.

7. Science units of study

Prohibitions: MICR3012, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904. **Assessment:** One 2hr exam, in class theory assessment, continuous assessment, practical work.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3012 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

Salyers A.A. and Whitt D.D. Bacterial Pathogenesis. A Molecular Approach. 2nd ed., ASM, 2002

MICR 3022 Microbial Biotechnology

6 credit points. B Hort Sc, B L W Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program. Dr A Holmes. **Session:** Semester 2. **Classes:** 2 hrs of lectures & 3hr prac/wk. **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 2hr exam, continuous assessment, practical work, practical reports.

This unit of study will cover both traditional microbial biotechnologies and the impact of new technologies on the emergence of new industries. Existing applications are based on empirical management of a remarkably small proportion of microbial diversity. The past ten years have seen dramatic advances in the capacity to explore microbial diversity and actively manage microbial communities. This course will focus on how these new techniques are creating new opportunities in biotechnology. General applications to be covered include human health (managing diseases that do not have a single causative agent), environmental health (waste treatment and using microorganisms as indicators of sustainability), and production of bioactive compounds (enzymes, antibiotics). Specific techniques covered will include gene discovery via environmental metagenomics; microarrays for real-time monitoring of microbial communities; high throughput screening for isolation and recovery of producers of novel bioactive compounds.

Textbooks

To be advised

MICR 3922 Microbial Biotechnology (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr A Holmes. **Session:** Semester 2. **Classes:** 2.5 hrs of lectures & 3hr prac/wk. **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 2hr exam, in class theory assessment, continuous assessment, practical work, practical reports.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3022 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

To be advised

VIRO 3001 Virology

6 credit points. B Hort Sc, B L W Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Mrs Helen Agus. **Session:** Semester 1. **Classes:** 2hr lec/wk, 5 x 2hr tut & 6 x 4hr prac. **Assumed Knowledge:** MICR (2021 or 2921 or 2022 or 2922). **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. **Assessment:** One 2hr exam, practical work, group presentations.

NB: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.

This unit of study is designed to introduce students who have a basic understanding of molecular biology to the field of virology. Through an examination of virus structure, genomes, replication and gene expression, viral infection in plant and animal cells is covered, progressing to examine host-virus interactions, pathogenesis, cell injury and prevention and control of infection in both eukaryotic and prokaryotic cells. Bacteriophage structure and infection of prokaryotic cells is also covered. The structure and replication of sub-viral agents: viroids and prions, and their role in disease and significance in the context of transmission via blood products are discussed. Detection of viral illness by serology and molecular techniques such as ELISA, Western blotting, PCR and sequencing will also be covered.

The hands-on practical component is designed to enhance students' practical skills and to complement the lecture series by introducing students to cell culture, cytopathic effect, serology and molecular

detection techniques. Tutorials and case studies will cover specific themes and problems.

Textbooks

To be advised

VIRO 3901 Virology (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Mrs Helen Agus. **Session:** Semester 1. **Classes:** 2.5hr lec/wk, 5 x 2hr tut & 6 x 4hr prac. **Assumed Knowledge:** MICR (2021 or 2921 or 2022 or 2922). **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. **Assessment:** One 2hr exam, in class theory assessment, continuous assessment, practical work.

NB: 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

To be advised

VIRO 3002 Medical and Applied Virology

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. A/Prof Colin Harbour. **Session:** Semester 2. **Classes:** 2hr lec/wk, 2hr tut & 4hr prac/fortnight. **Assumed Knowledge:** Intermediate microbiology, immunology, molecular biology and genetics. **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 BMED 2807. **Assessment:** Formal examination: One 2 hr exam Progressive assessment: 2000 w essay; tutorial case presentation, poster presentation.

NB: 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

To be advised.

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 in their first semester which will cover diverse aspects of the subject. The coursework involves an essay as well as analysis of recently published papers in Microbiology.

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.

Bachelor of Science (Molecular Biology and Genetics)

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 units of study required for this degree.

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.

MBLG 1001 Molecular Biology and Genetics (Intro)

6 credit points. B A, B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Dr Hannah Nicholas. Session: Semester 2. Classes: 2 lec/wk, 1 h tut & 4 h prac/fortnight. Assumed Knowledge: 6 credit points of Junior Biology and 6 cp of Junior Chemistry. Prohibitions: AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2101 or 2901 or 2001 or 2111 or 2771 or 2871). Assessment: One 2.5 h 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 and chromosomes leading to discussion of gene expression (transcription and translation) and replication. 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

Malacinski, G M The Essentials of Molecular Biology (4th edition, Jones and Bartlett, 2003)

MBLG 1999 Molecular Biology & Genetics Seminar A

0 credit points. B Sc (Molecular Biology & Genetics). Session: Semester 2. Corequisites: MBLG1001.

MBLG 2071 Molecular Biology and Genetics A

6 credit points. B A, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program, UG Su. Dr Dale Hancock. Session: Semester 1. Classes: 2 lec/wk, 1 tut/ftnght, 4hr prac/ftnght. Prerequisites: MBLG 1001 and 12 CP of Junior Chemistry. Prohibitions: MBLG (2971 or 2001 or 2101 or 2901 or 2111) or PLNT2001 or AGCH2001 or BCHM (2001 or 2101 or 2901).. Assessment: One 2.5 hr exam, prac work, 2 assignments.

NB: 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 MBLG 1001 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. Experiments in model organisms are provided to illustrate how the field has advanced, 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 to produce proteins from cloned genes, the use of genomic libraries, cDNA libraries, and methods for screening libraries. 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 MBLG 1001, 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)

MBLG 2971 Molecular Biology and Genetics A (Adv)

6 credit points. B A, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Dr Dale Hancock. Session: Semester 1. Classes: 2 lec/wk, 1 tut/ftnght, 4hr prac/ftnght. Prerequisites: 12 credit points of Junior Chemistry and Distinction in MBLG1001. Prohibitions: MBLG (2071 or 2001 or 2101 or 2901 or 2111) or PLNT2001 or AGCH2001 or BCHM (2001 or 2101 or 2901).. Assessment: One 2.5 hr exam, prac work, 2 assignments.

NB: 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 MBLG2771 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)

MBLG 2072 Molecular Biology and Genetics B

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Session: Semester 2. Classes: 2 or 3 lectures per week (av 2.5 hrs). 2-3 hours prac per week (av 2.5 hrs). One tutorial every second week. Assumed Knowledge: One of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901. Prerequisites: BIOL (1001 or 1101 or 1901) and MBLG1001 and 12 credit points of Junior Chemistry. Prohibitions: MBLG2972, MBLG2102, MBLG2002, MBLG2902. Assessment: One 2 hr 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 organism including plants, animals and humans. Lecture topics include classical Mendelian genetics with an emphasis on its molecular basis, cytogenetics, bacterial genetics and evolution, population genetics and molecular evolution, genomics and the techniques and applications of molecular genetics. The way in which modern molecular genetic techniques have increased our knowledge in the field of developmental biology will be examined in lectures on stem cells, transgenesis and control of gene expression.

Practical: Laboratory exercises will utilize 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.

MBLG 2972 Molecular Biology and Genetics B (Adv)

6 credit points. B A, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program. Session: Semester 2. Classes: 2 or 3 lectures per week (av 2.5 hrs). 2-3 hours prac per week (av 2.5 hrs). One tutorial every second week. Prerequisites: Distinction in one of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901. Prohibitions: MBLG (2072, 2102, 2002, 2902). Assessment: One 2 hr 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.

MBLG 3999 Molecular Biology & Genetics Seminar B

0 credit points. B Sc (Molecular Biology & Genetics). Session: Semester 2.

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 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.

MOBT 2102 Molecular Biotechnology 2

6 credit points. B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Rachel Codd. Session: Semester 2. Classes: 3 lec & 1 tut/wk. 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.

NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

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

"Molecular Biotechnology: Principles and Applications of Recombinant DNA", Bernard R. Glick and Jack J. Pasternak, 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

MOBT 3101 Molecular Biotechnology 3A

6 credit points. B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr. Neville Firth. **Session:** Semester 1. **Classes:** 3 lee & 1 tut/wk. **Assumed Knowledge:** MBLG (2072 or 2972). **Prerequisites:** MOBT2102. **Prohibitions:** MOBT2002. **Assessment:** One 2 hour theory exam (70%) and in-semester assessments (30%). Students must pass the theory exam to pass the unit overall.

NB: NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

This unit of study builds on MOBT 2102 and to expand concepts and applications of modern molecular biotechnology. It assumes students have previously been taught molecular biology and genetics through MBLG 2072/2972. 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 utilization 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 commercialization of discoveries complete the unit.

Textbooks

"Molecular Biotechnology: Principles and Applications of Recombinant DNA", Bernard R. Glick and Jack J. Pasternak, 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

MOBT 3102 Molecular Biotechnology 3B

6 credit points. B Sc (Molecular Biotechnology), UG Study Abroad Program. Dr Kevin Downard. **Session:** Semester 2. **Classes:** 2 lee, 1 tut/wk & 25 hrs industry related project over the semester. **Prerequisites:** MOBT2002 or MOBT3101. **Prohibitions:** MOBT3002. **Assessment:** Presentation, project report and theory exam.

NB: NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

This Senior unit of study builds on the knowledge gained in earlier units of modern molecular biotechnology. It emphasises applications of molecular biotechnology including product design, research and development, and the importance of recognising industry trends. This will typically involve detailed industry case studies, on-site visits, and interactions with industry partners in association with university staff. Lectures will address emerging tools in the discovery and application of molecular biotechnology. To maximize future opportunities, students will learn about funding and research and development models, partly through Australian or overseas case studies. Guest lecturers will contribute and help students develop an appreciation of emerging areas in molecular biotechnology.

As well as industry-relevant experience, subject areas include biotech company success stories, techniques in molecular biotechnology and drugs from natural products.

Textbooks

"Molecular Biotechnology: Principles and Applications of Recombinant DNA", Bernard R. Glick and Jack J. Pasternak, 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 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.

Unit descriptions

Unit descriptions are located under separate headings in this chapter:

- Biochemistry
- Microbiology
- Molecular Biotechnology
- Molecular Biology and Genetics
- Nutrition.

Location

The School is located in the Biosciences Building (G08), across 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.

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

Coordinator: Dr Karen Cullen (Anatomy) kcullen@anatomy.usyd.edu.au

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.

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. 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.

Nutrition

The Human Nutrition Unit in the School of Molecular and Microbial Biosciences offers units of study to students in the Bachelor of Sci-

ence (Nutrition) degree. Please consult degree information in Chapter 2, and Table IF earlier in this chapter, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

NUTR 2911 Food Science Introductory (Advanced)

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. Dr Kim Bell-Anderson. **Session:** Semester 1. **Classes:** 2 lectures, 3 prac/wk. **Prerequisites:** MBLG 1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) 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 3hr exam, one assignment, five prac reports.

Foods as commodities: Food use around the world, including the origin, history, cultural and nutritional importance of each the following major human foods.

Food Behaviour: Physical and chemical composition of various commodities, Behaviour and function of the commodity during culinary processes, spoilage of the commodity.

Geography of foods: Understanding of the global food distribution, food abundance and food scarcity, the problems of nutrition in very poor countries and the potential of food aid to minimise food problems.

Macronutrients: Energy, protein, fat, carbohydrate, fibre, water, alcohol consumption patterns, requirements for health, absorption, metabolism and health/disease significance.

Practical: Organoleptic assessment of food: vision, smell, taste and tactile. Food flavour, texture and consistency. Enzymic and non-enzymic browning in foods: desirable versus undesirable browning reactions. Vegetables and fruits. Carbohydrate foods, dairy products, fats and oils, meat and poultry, fish and shellfish.

Textbooks

Mann J, Truswell AS (eds). *Essentials of Human Nutrition*. Oxford: OUP, 2002
Griswald N. *The Experimental Study of Foods*.

NUTR 2912 Nutritional Science Introductory (Adv)

6 credit points. B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. A/Prof Samir Samman. **Session:** Semester 2. **Classes:** 2 lectures, 3 prac/wk. **Assumed Knowledge:** NUTR2911. **Prerequisites:** MBLG1001 and CHEM (1001 or 1101 or 1901 or 1903 or 1909) and CHEM (1002 or 1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) 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. **Assessment:** One 3hr exam, one assignment, five prac reports.

Vitamins: Consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency state in regard to Vitamins A, B1, B2, B6, B12, niacin, folate, biotin, pantothenic acid, Vitamin C, Vitamin D, Vitamin E, Vitamin K. Minerals and trace elements. Consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency state in regard to calcium, iron, sodium, potassium, zinc, selenium, copper, carnitine, choline.

Food Science and Technology: Principles of food preservation, Cereal technology, Milk and dairy technology, Fat and oil technology, Sugar technology, Meat technology, Processing and nutrient changes, Food legislation, Food additives, Naturally-occurring toxicants, Food pollutants, Food safety, Food Hygiene, Food microbiology, Food hygiene, Critical control points and hazards analysis.

Practical: Students will collect 24 hour food intake on themselves. Students will homogenise all foods eaten in a 24 hour period, sample representatively and analyse energy content by bomb calorimetry and determine fat and fatty acid composition, protein, starch, total sugars, dietary fibre and selected vitamins and minerals. They will report the finding to the whole class in the final practical.

Textbooks

Mann J, Truswell AS (2002). *Essentials of human nutrition*. Oxford University Press, Oxford.

Proudlove RK *The Science & Technology of Foods*. Forbes London, 1985.

Hobbs BC *Food poisoning and food hygiene*. (5th ed) Ballimore, Md; E. Arnold 1987.

NUTR 3911 Nutritional Assessment Methods

6 credit points. B Sc (Nutrition), UG Study Abroad Program. Dr Karen Webb. **Session:** Semester 1. **Classes:** 2hr lec, 1hr tut, 2hr prac/wk. **Prerequisites:** NUTR2911 and NUTR2912. **Prohibitions:** NUTR3901. **Assessment:** 1 assignment, 3 practical reports, 3 tutorial papers.

Basic concepts in nutritional status; four methods of dietary assessment in individuals, advantages and limitations; validation of dietary methods; nutritional guidelines, targets and recommended dietary intakes; computerized nutrient analysis; limitations of food composition analysis. Behavioural influences on food intake. Nutritional assessment of individuals through clinical examination and commonly used laboratory biochemical tests for nutritional status; methods used to diagnose nutritional deficiencies; specificity, reliability of biochemical tests. Anthropometry and body composition;

soft tissue measurement; percent body fat; reference standards; growth standards and percentiles.

Textbooks

Principles of Nutritional Assessment. R.S. Gibson, Oxford University Press, New York, 1990.

Nutritional Assessment. A Laboratory Manual. RS Gibson, Oxford University Press, New York, 1993.

NUTR 3912 Community and Public Health Nutrition

6 credit points. B Sc (Nutrition), UG Study Abroad Program. Ms SoumelaAmanatidis.

Session: Semester 2. **Classes:** 3hr lee, 2hr prac/wk. **Prerequisites:** NUTR2911 and NUTR2912. **Prohibitions:** NUTR3902. **Assessment:** One 1 hr exam, 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

Have P, Degeling D and Hall J. *Evaluating Health Promotion: A health worker's guide*. McLennan and Petty, 1990. ISBN: 086 4330677.

Germov J and Williams L (Editors). *A Sociology of Food and Nutrition (The Social Appetite)*. 2nd Edition, Oxford University Press, 2004. ISBN: 0195506609.

Mann J & Truswell AS, *Essentials of Human Nutrition*. Oxford University Press, 2002. ISBN: 0-19-262756-2.

NUTR 3921 Methods in Nutrition Practice

6 credit points. B Sc (Nutrition), UG Study Abroad Program. Ms SoumelaAmanatidis.

Session: Semester 1. **Classes:** 2hr lee, 3hr prac/wk. **Prerequisites:** NUTR2911 and NUTR2912. **Prohibitions:** NUTR3901. **Assessment:** One 2 hr exam. Basic concepts in nutritional epidemiology, advantages and limitations of epidemiological methods; biological markers of chronic disease; use of biostatistical tools in epidemiology; critical interpretation of published data. Research design and statistics.

Textbooks

Willett WC. *Nutritional epidemiology*. Oxford University Press 1990.

NUTR 3922 Nutrition and Chronic Disease

6 credit points. B Sc (Nutrition), UG Study Abroad Program. Ms SoumelaAmanatidis.

Session: Semester 2. **Classes:** 3hr lee, 2hr workshop/wk. **Prerequisites:** NUTR2911 and NUTR2912. **Prohibitions:** NUTR3902. **Assessment:** One 2 hr exam, 2 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, Recommended Dietary Intakes, 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, 2002. ISBN: 0-19-262756-2.

Bauer K and Sokokil C. *Basic Nutrition Counselling Skills*. Wadsworth, 2002. ISBN: 0727 916645.

Nutrition Honours

A/Prof S Samman; Ms Beth Rohrlach

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 dietician will need to complete the clinical strand.

Clinical Nutritional Science and Dietetics

Students in this strand enrol in and complete:

NUTR 4001 Clinical Nutritional Science A

NUTR 4002 Clinical Nutritional Science B

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;

* to construct appropriate treatment regimes and prevention strategies for these diseases using their nutritional science knowledge.

Nutrition Research

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. 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 two Intermediate 6-credit point units of study and four Senior 12-credit point units of study.

PCOL 2011 Pharmacology Fundamentals

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program. Dr Jonathon Arnold. **Session:** Semester 1. **Classes:** 3 lectures/wk, 8 PBL tutorials/semester, 5 lab sessions/semester. **Prerequisites:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology. **Prohibitions:** PCOL2001. **Assessment:** One 2 hr exam, four 20 question WebMCQ quizzes, three lab reports, four 1 page research topics.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.
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, LELimbird, 2001.

Patrick GL, An Introduction to Medicinal Chemistry 2nd edn, Oxford Uni press, 2001.

PCOL 2012 Pharmacology: Drugs and People

6 credit points. B Sc, B Sc (Bioinformatics), B Sc (Nutrition), UG Study Abroad Program. Dr B McParland. **Session:** Semester 2. **Classes:** 3 lectures/week, 8 PBL tutorials/semester, 5 lab sessions/semester. **Assumed Knowledge:** PCOL2011. **Prerequisites:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology. **Prohibitions:** PCOL (2002 and 2003). **Assessment:** One 2 hr exam, four 20 question WebMCQ quizzes, three lab reports.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

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, LELimbird, 2001.

PCOL 3011 Toxicology

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. A/Prof Ian Spence. **Session:** Semester 1. **Classes:** 2 lec, 3 tut/prac per wk. **Prerequisites:** PCOL2001 or PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3911. **Assessment:** One 2hr 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.

PCOL 3911 Toxicology (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. A/Prof. Ian Spence. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 tut/prac 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 2hr 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.

PCOL 3012 Drug Design and Development

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. A/Prof Robin Allan. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 tut/prac per wk. **Prerequisites:** PCOL2001 or PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3912. **Assessment:** One 2hr 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.

PCOL 3912 Drug Design and Development (Adv)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. A/Prof. Robin Allan. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 tut/prac per wk. **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 2hr 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.

PCOL 3021 Drug Therapy

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Prof. Graham Johnston. **Session:** Semester 2. **Classes:** 2 lec/wk, 3 tut/prac per week. **Prerequisites:** PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3002, PCOL3902, PCOL3921. **Assessment:** One 2hr 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

H.P Rang, M.M. Dale, J.M. Ritter and P.K. Moore: Pharmacology, 5th edn (Churchill Livingstone, 2003)

PCOL 3921 Drug Therapy (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Professor Graham Johnston. **Session:** Semester 2. **Classes:** 2 lec/wk, 3 tut/prac per

wk. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or in 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3002, PCOL3902, PCOL3021. **Assessment:** One 2hr 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)

PCOL 3022 Neuropharmacology

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Prof. Graham Johnston. **Session:** Semester 2. **Classes:** 2hr lec/wk, 3hr tut/prac/wk. **Prerequisites:** PCOL2011, PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3002, PCOL3902, PCOL3922. **Assessment:** One 2hr 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

H.P. Rang, M.M. Dale, J.M. Ritter and P.K. Moore: Pharmacology, 5th edn (Churchill Livingstone, 2003).

PCOL 3922 Neuropharmacology (Advanced)

6 credit points. B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program. Prof. Graham Johnston. **Session:** Semester 2. **Classes:** 2 lec/wk, 3 tut/prac per wk. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or in 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3002, PCOL3902, PCOL3022. **Assessment:** 2 lec/wk, 3 tut/prac/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

Dr Jasmine Henderson.

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, Intermediate, Senior and Honours 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 noticeboards in the Physics Building as appropriate for each unit of study and outside the Physics Student Support Office (Room 202, ground floor, Physics Building), and also at the School of Physics website: www.physics.usyd.edu.au.

Registration

Junior units of study: In assigned laboratory sessions during the second week of each semester.

Intermediate units of study: At first lecture, 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 WebCT.

Physics Junior units of study

Dr John O'Byrne

There are seven different semester length units of study offered at the Junior level.

First semester

PHYS 1001 (Regular)

PHYS 1002 (Fundamentals)

PHYS 1901 (Advanced)

Second semester

PHYS 1003 (Technological)

PHYS 1004 (Environmental and Life Sciences)

PHYS 1902 (Advanced)

PHYS 1500 (Astronomy)

Completion of one unit of study in each semester provides a solid foundation for further studies in Physics in higher years. PHYS 1500 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.

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

PHYS 1001 Physics 1 (Regular)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed Knowledge:** HSC Physics. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902). **Prohibitions:** PHYS (1002 or 1901). **Assessment:** Laboratory (20%), assignments (10%), progressive test (5%), skills test (5%), examination (60%).

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 waves.

Textbooks

Young & Freedman. University Physics. 11th edition, Addison-Wesley, 2004
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1002 Physics 1 (Fundamentals)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed Knowledge:** No assumed knowledge of Physics. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902). **Prohibitions:** PHYS (1001 or 1901). **Assessment:** Laboratory (20%), assignments (5%), progressive tests (10%), examination (65%).

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 waves.

Textbooks

Hecht, E. Physics: Calculus, 2nd edition, Brooks/Cole 2000
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1003 Physics 1 (Technological)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1 hr tutorial. **Assumed Knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Corequisites:** Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905) would also be useful. **Prohibitions:** PHYS (1004 or 1902). **Assessment:** Laboratory (25%), assignments (10%), examination (65%).

NB: 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, 11th edition, Addison-Wesley, 2004
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1004 Physics 1 (Environmental & Life Science)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed Knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Corequisites:** Recommended concurrent Units of Study: MATH (1003/1903). MATH (1005/1905) would also be useful. **Prohibitions:** PHYS (1003 or 1902). **Assessment:** Laboratory (25%), assignments (10%), examination (65%).

NB: 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

Hecht, E. Physics: Calculus, 2nd edition, Brooks/Cole 2000.
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1500 Astronomy

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 2hr laboratory, one 1hr tutorial. **Assumed Knowledge:** No assumed knowledge of Physics. **Assessment:** Laboratory (25%), essay (15%), tutorials (5%), night viewing project (5%), examination (50%).

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

Seeds MA. Horizons: Exploring the Universe. 9th edition, Brooks/Cole 2005
Astronomy Computer Exercises - School of Physics Publication.

PHYS 1901 Physics 1A (Advanced)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Prerequisites:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1902, 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:** PHYS (1001 or 1002). **Assessment:** Laboratory (20%), assignments (10%), progressive test (5%), skills test (5%), examination (60%).

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, 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, 11th edition, Addison-Wesley. 2004.
Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1902 Physics 1B (Advanced)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **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 would also be useful. **Prohibitions:** PHYS (1003 or 1004). **Assessment:** Laboratory (25%), assignments (10%), examination (65%).

NB: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

This unit of study is a continuation of Physics 1A (Advanced). Students who have completed PHYS 1001 or PHYS 1002 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, 11th edition, Addison-Wesley. 2004.
Experimental Physics Laboratory Manual - School of Physics Publication.

Physics Intermediate units of study

Dr Gordon Robertson

In common with the rest of the Faculty of Science, Intermediate Physics has been restructured into 6-credit point units, starting in

2005. There will be three units at the Normal level and three at the Advanced level:

- PHYS2011/2911 Physics 2A (Normal/Advanced) - Semester 1
- PHYS2012/2912 Physics 2 B (Normal/Advanced) - Semester 2
- PHYS2013/2913 Astrophysics and Relativity (Normal/Advanced) - Semester 2

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 all Senior Physics units except PHYS3022/3922 (Astrophysics/High Energy Physics) are PHYS2011/2911 and PHYS2012/2912. Students intending to major in Physics are strongly encouraged to take PHYS2013/2913 as well.

The prerequisites for PHYS3022/3922 (Astrophysics/High Energy Physics) are PHYS2012/2912 and PHYS2013/2913. Students intending to major in Physics must also take PHYS2011/2911 in order to gain the necessary prerequisites for other Senior Physics units.

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 WebCT.

PHYS 2011 Physics 2A

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lec x 11 wks, 2hr computational lab x 9 wks, 3hr lab x 9 wks. **Assumed Knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful. **Prerequisites:** 12 credit points of Junior Physics (excluding PHYS 1500 and PHYS 1600). **Prohibitions:** PHYS (2001 or 2901 or 2911 or 2101 or 2103 or 2213 or 2203). **Assessment:** One 2hr exam, one 1hr 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, 11th ed. Pearson Education Inc. 2004
Experimental Physics Notes, published by the School of Physics

PHYS 2012 Physics 2B

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lec x 13wks, one 2hr computational lab x 11 wks. **Assumed Knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1901 or 2001 or 2901 or 2011 or 2911). **Prohibitions:** PHYS (2102 or 2104 or 2902 or 2002 or 2912 or 2213 or 2203). **Assessment:** One 3hr exam, one 1hr 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

PHYS 2013 Astrophysics and Relativity

6 credit points. B A, B Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee x 1 lwks, 3 hr lab x 12 wks. **Assumed Knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2011 or 2911). **Corequisites:** PHYS (2012 or 2912). **Prohibitions:** PHYS (2001 or 2901 or 2913 or 2101 or 2103). **Assessment:** One 2 hr 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 work in teams on a project, which forms the subject of their written report and oral presentation.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004
Tango, Introduction to Stellar Astrophysics, published by the School of Physics
Experimental Physics Notes, published by the School of Physics
Other texts to be advised

PHYS 2911 Physics 2A (Advanced)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program. **Session:** Semester 1. **Classes:** 2 lee x 1 lwks, 2hr computational lab x 9 wks, 3 hr lab x 9 wks. **Assumed Knowledge:** MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful. **Prerequisites:** Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). **Prohibitions:** PHYS (2901 or 2001 or 2011 or 2101 or 2103 or 2213 or 2203). **Assessment:** One 2 hr exam, one 1 hr 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, but at a more advanced level.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004
Experimental Physics Notes, published by the School of Physics

PHYS 2912 Physics 2B (Advanced)

6 credit points. B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program. **Session:** Semester 2. **Classes:** 3 lee x 13wks, 2hr computational lab x 11 wks. **Assumed Knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **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:** PHYS (2102 or 2104 or 2902 or 2002 or 2012 or 2213 or 2203). **Assessment:** One 3 hr exam, one 1 hr computational test.

Refer to PHYS2911 for an overall description of the Advanced Intermediate Physics program. The lecture topics are as for PHYS2012. **Computational Physics:** As for PHYS2012, but at a more advanced level.

Textbooks

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole

PHYS 2913 Astrophysics and Relativity (Advanced)

6 credit points. B A, B Sc, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 2 lee x 1 lwks, 3 hr lab x 12 wks. **Assumed Knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **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:** PHYS (2001 or 2901 or 2013 or 2101 or 2103). **Assessment:** One 3 hr 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). The material for the advanced unit is treated with more depth and more rigorous attention to derivations than in PHYS2013.

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 work in teams on a project, which forms the subject of their written report and oral presentation.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004
Tango, Introduction to Stellar Astrophysics, published by the School of Physics
Experimental Physics Notes, published by the School of Physics
Other texts to be advised

Physics Senior units of study

Associate Professor Tim Bedding

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 (PHYS 3040, 3940 or 3941)
- a Semester 2 Core unit (PHYS 3060, 3960 or 3961)
- two Options units (usually one in each semester)

Further information concerning Senior Physics is available via www.physics.usyd.edu.au

PHYS 3040 Electromagnetism & Physics Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 lect, 12 x 4hr prac/semester. **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 1.5hr exam, prac 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

Introduction to Electrodynamics (Third Edition) by David J Griffiths

PHYS 3940 Electromagnetism & Physics Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 lee, 12 x 4hr prac/semester. **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 hr exam, prac reports and oral presentation. This unit covers the same topics as PHYS 3040, but with greater depth and some more challenging material.

Textbooks

Introduction to Electrodynamics (Third Edition) by David J. Griffiths

PHYS 3941 Electromagnetism & Special Project (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 lec/semester, 3.5hr/wkin School of Physics. **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 hr exam, project report and talk.

NB: Department permission required for enrolment. 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

Introduction to Electrodynamics (Third Edition) by David J. Griffiths

PHYS 3050 Nanoscience/Optics & Physics Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4 hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3950, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3012, PHYS3021, PHYS3912, PHYS3921, PHYS3057, PHYS3957, PHYS3058, PHYS3958. **Assessment:** One 2 hr exams, prac 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 Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. 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.

PHYS 3950 Nanoscience/Optics & Physics Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3050, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3012, PHYS3021, PHYS3912, PHYS3921, PHYS3057, PHYS3957, PHYS3058, PHYS3958. **Assessment:** One 2 hr exam, prac reports. This unit covers the same topics as PHYS 3050, but with greater depth and some more challenging material.

PHYS 3051 Thermodynamics/Biol. Physics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3951, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3013, PHYS3023, PHYS3913, PHYS3923, PHYS3057, PHYS3957, PHYS3058, PHYS3958. **Assessment:** One 2 hr exam, prac reports.

The lectures on Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of 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.

PHYS 3951 Thermodynamics/Biol. Physics & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **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:** PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3952, PHYS3953, PHYS3956, PHYS3013, PHYS3023, PHYS3913, PHYS3923, PHYS3057, PHYS3957, PHYS3958, PHYS3058, PHYS3958. **Assessment:** One 2 hr exam, prac reports. This unit covers the same topics as PHYS 3051, but with greater depth and some more challenging material.

PHYS 3052 Nanoscience/Thermodynamics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **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 hr exam, prac 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 a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of 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.

PHYS 3952 Nanoscience/Thermodynamics & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **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 hr exam, prac reports. This unit covers the same topics as PHYS 3052, but with greater depth and some more challenging material.

PHYS 3053 Thermodynamics/Optics & Physics Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3953, PHYS3050, PHYS3051, PHYS3052, PHYS3056, PHYS3950, PHYS3951, PHYS3952, PHYS3956, PHYS3012, PHYS3013, PHYS3912, PHYS3913, PHYS3057, PHYS3957, PHYS3058, PHYS3958. **Assessment:** One 2 hr exam, prac reports.

The lectures on Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of statistical mechanics. 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. 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.

PHYS 3953 Thermodynamics/Optics & Physics Lab(Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3053, PHYS3050, PHYS3051, PHYS3052, PHYS3056, PHYS3950, PHYS3951, PHYS3952, PHYS3956, PHYS3012, PHYS3013, PHYS3912, PHYS3913, PHYS3057, PHYS3957, PHYS3058, PHYS3958. **Assessment:** One 2 hr exam, prac report.

This unit covers the same topics as PHYS 3053, but with greater depth and some more challenging material.

PHYS 3056 Nanoscience/Optics/Thermodynamics

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 3hr lee/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3956, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3057, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3957, PHYS3958, PHYS3012, PHYS3013, PHYS3021, PHYS3912, PHYS3913, PHYS3921. **Assessment:** One 3 hr 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 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 Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of statistical mechanics.

PHYS 3956 Nanoscience/Optics/Thermodynamics (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 3hr lee/sem. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3056, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3057, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3957, PHYS3958, PHYS3012, PHYS3013, PHYS3021, PHYS3912, PHYS3913, PHYS3921. **Assessment:** One 3 hr exam.

This unit covers the same topics as PHYS 3056, but with greater depth and some more challenging material.

PHYS 3057 Nanoscience/Thermodynamic/Biol.Phys

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 3hr lee/semester. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3957, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3958, PHYS3013, PHYS3021, PHYS3023, PHYS3913, PHYS3921, PHYS3923. **Assessment:** One 3 hr 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 a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of 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.

PHYS 3957 Nanoscience/Thermodynamic/Biol.Phys(Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 3hr lec/semester. **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, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3058, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3958, PHYS3013, PHYS3021, PHYS3023, PHYS3913, PHYS3921, PHYS3923. **Assessment:** One 3 hr exam.

This unit covers the same topics as PHYS 3057, but with greater depth and some more challenging material.

PHYS 3058 Optics/Thermodynamics/Biol. Physics

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3958, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3057, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3957, PHYS3012, PHYS3013, PHYS3023, PHYS3912, PHYS3913, PHYS3923. **Assessment:** One 3 hr 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 Thermodynamics provide a formal introduction to classical equilibrium thermodynamics, including chemical reactions, phases, and electric and magnetic fields, and an introduction to the principles of 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.

PHYS 3958 Optics/Thermodynamics/Biol.Physics (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 1. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3058, PHYS3050, PHYS3051, PHYS3052, PHYS3053, PHYS3056, PHYS3057, PHYS3950, PHYS3951, PHYS3952, PHYS3953, PHYS3956, PHYS3957, PHYS3012, PHYS3013, PHYS3023, PHYS3912, PHYS3913, PHYS3923. **Assessment:** One 3 hr exam.

This unit covers the same topics as PHYS 3058, but with greater depth and some more challenging material.

PHYS 3060 Quantum Mechanics & Physics Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 lec, 6 x 4hr prac/semester. **Prerequisites:** PHYS 2011 or 2911 or 2001 or 2901; PHYS 2012 or 2912 or 2002 or 2902; MATH 2061 or 2961 or 2067. **Prohibitions:** PHYS 3960, 3961, 3011, 3024, 3026, 3027, 3911, 3924, 3926, 3927. **Assessment:** One 1.5 hr exam, prac reports.

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

None. Recommended reference: Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles (Second Edition) by Robert Eisberg and Robert Resnick

PHYS 3960 Quantum Mechanics & Physics Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 lec, 12 x 4hr prac/semester. **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 hr exam, prac reports and oral presentation.

This unit covers the same topics as PHYS 3060, but with greater depth and some more challenging material.

Textbooks

Introductory Quantum Mechanics (Fourth Edition) by Richard L. Liboff

PHYS 3961 Quantum Mechanics & Special Project(Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 lec/semester, 3.5hr in School of Physics. **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 hr exam, project report and oral presentation.

NB: Department permission required for enrolment. 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

Introductory Quantum Mechanics (Fourth Edition) by Richard L. Liboff

PHYS 3070 Plasma Physics/Cond. Matter & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lec, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902). **Prohibitions:** PHYS3970, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3912, PHYS3921. **Assessment:** One 2 hr exam, prac 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 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.

PHYS 3970 Plasma Physics/Cond. Matter & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lec, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3070, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3912, PHYS3921. **Assessment:** One 2 hr exam, prac reports.

This unit covers the same topics as PHYS 3070, but with greater depth and some more challenging material.

PHYS 3071 High Energy/Astrophysics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lec, 6 x 4hr prac/semester. **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, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3022, PHYS3922. **Assessment:** One 2 hr exam, prac 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.

PHYS 3971 High Energy/Astrophysics & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lec, 6 x 4hr prac/semester. **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, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3022, PHYS3922. **Assessment:** One 2 hr exam, prac reports.

PHYS3978, PHYS3979, PHYS3022, PHYS3922. **Assessment:** One 2 hr exam, prac reports.

This unit covers the same topics as PHYS 3071, but with greater depth and some more challenging material.

PHYS 3072 Plasma Physics/Astrophysics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901). **Prohibitions:** PHYS3972, PHYS3070, PHYS3071, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922. **Assessment:** One 2 hr exam, prac 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 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.

PHYS 3972 Plasma Physics/Astrophysics & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3072, PHYS3070, PHYS3071, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3921, PHYS3922. **Assessment:** One 2 hr exam, prac reports. This unit covers the same topics as PHYS 3072, but with greater depth and some more challenging material.

PHYS 3073 Plasma/High Energy Physics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3973, PHYS3070, PHYS3071, PHYS3072, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922. **Assessment:** One 2 hr exam, prac 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.

PHYS 3973 Plasma/High Energy Physics & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3073, PHYS3070, PHYS3071, PHYS3072, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922. **Assessment:** One 2 hr exam, prac reports.

This unit covers the same topics as PHYS 3073, but with greater depth and some more challenging material.

PHYS 3074 High Energy/Cond. Matter Physics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961). **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, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 2 hr exam, prac 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.

PHYS 3974 High Energy/Cond. Matter Phys.& Lab(Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961). **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, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 2 hr exam, prac reports.

This unit covers the same topics as PHYS 3074, but with greater depth and some more challenging material.

PHYS 3075 Cond. Matter/Astrophysics & Lab

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961). **Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901). **Prohibitions:** PHYS3975, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 2 hr exam, prac reports.

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. 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.

PHYS 3975 Cond. Matter/Astrophysics & Lab (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 2hr lee, 6 x 4hr prac/semester. **Assumed Knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961). **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:** PHYS3075, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3076, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3976, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 2 hr exam, prac reports. This unit covers the same topics as PHYS 3075, but with greater depth and some more challenging material.

PHYS 3076 Plasma/Cond.Matter/High Energy Physics

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lee/semester. **Assumed Knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3976, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 3 hr exam.

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 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.

PHYS 3976 Plasma/Cond.Matter/High Energy Phys(Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3076, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3077, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3977, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, PHYS3921, PHYS3922. **Assessment:** One 3 hr exam. This unit covers the same topics as PHYS 3076, but with greater depth and some more challenging material.

PHYS 3077 Plasma/Cond. Matter/Astrophysics

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067). **Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901). **Prohibitions:** PHYS3977, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, 3921, PHYS3922. **Assessment:** One 3 hr exam. 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 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.

PHYS 3977 Plasma/Cond. Matter/Astrophysics (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3077, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3078, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, PHYS3921, PHYS3922. **Assessment:** One 3 hr exam. This unit covers the same topics as PHYS3077, but with greater depth and some more challenging material.

PHYS 3078 Plasma/High Energy/Astrophysics

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3978, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3978, PHYS3979, PHYS3012, PHYS3021, PHYS3022, PHYS3912, PHYS3921, PHYS3922. **Assessment:** One 3 hr exam. 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. 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.

PHYS 3978 Plasma/High Energy/Astrophysics (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067). **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:** PHYS3078, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3079, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3979, PHYS3021, PHYS3022, PHYS3921, PHYS3922. **Assessment:** One 3 hr exam.

This unit covers the same topics as PHYS3078, but with greater depth and some more challenging material.

PHYS 3079 Cond. Matter/High Energy/Astrophysics

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961). **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, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 3 hr 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.

PHYS 3979 Cond. Matter/High Energy/Astrophysics (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. **Session:** Semester 2. **Classes:** 19 x 3hr lec/semester. **Assumed Knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961). **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, PHYS3070, PHYS3071, PHYS3072, PHYS3073, PHYS3074, PHYS3075, PHYS3076, PHYS3077, PHYS3078, PHYS3970, PHYS3971, PHYS3972, PHYS3973, PHYS3974, PHYS3975, PHYS3976, PHYS3977, PHYS3978, PHYS3012, PHYS3022, PHYS3912, PHYS3922. **Assessment:** One 3 hr exam.

This unit covers the same topics as PHYS 3079, but with greater depth and some more challenging material.

Physics Honours

A/Prof Anne Green

Qualifying: 24 credit points of Senior Physics or equivalent.

Classes: 6 lecture courses & research project.

Assessment: coursework exams, one 40 page report, research oral presentation.

Students may be admitted to the Honours Program in Physics if they are of sufficient merit and have completed the qualifying requirements, according to the guidelines set out in the Senior Physics section of this handbook.

Fulltime enrolment is equivalent to 48 credit points for the year.

Physics Honours comprises formal coursework (weight 50%) and a research project (weight 50%). 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. A wide range of possible projects is available in many areas of contemporary physics including astrophysics, solar and space sciences, photonics, computational condensed matter, materials, coatings and practical applications of plasmas, brain dynamics, medical physics and several areas of theoretical physics. The formal courses from which students may choose include studies of quantum mechanics, nanotechnology, optical devices, general relativity, cosmology, space and solar physics, sub-atomic physics, relativistic quantum theory, medical physics, electromagnetism and the practice of physics. Not all the courses are offered every year and students may substitute a limited number of courses with appropriate ones from complementary disciplines, subject to the approval of the Honours co-ordinator.

Honours students are encouraged to participate along with staff and research students in all 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 co-ordinator or from the website www.physics.usyd.edu.au/ugrad/hons.html

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.

PHSI 2005 Integrated Physiology A

6 credit points. B Sc, B Sc (Nutrition). Dr Meloni Muir. **Session:** Semester 1. **Classes:** 5 lee, 3 prac, 3 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:** PHSI (2905 or 2001 or 2101 or 2901). **Assessment:** One written exam; group and individual written and oral presentations.

NB: 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 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. These topics will be organized and integrated as modules. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 2905 Integrated Physiology A (Advanced)

6 credit points. B Sc. Dr Catherine Leamey and Dr Dario Protti. **Session:** Semester 1. **Classes:** 5 lee, 3 prac, 3 tutorial per fortnight. Advanced students will be exempt from attending some classes to permit meetings with supervisor. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study. **Prohibitions:** PHSI (2005 or 2901 or 2001 or 2101).. **Assessment:** One written exam; group oral and individual written presentations, 1 research essay (research essay will replace some other assessment items from regular course).

NB: Department permission required for enrolment. Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 65 (Credit average) 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 pre requisites. 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/practical 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. These topics will be organized and integrated as modules. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning. The advanced stream of the course gives students an opportunity to interact with academics in small groups (or one to one) and to carry out a research project. Students will be allocated a supervisor and a project according to interest and availability. A research project will be determined by the supervisor, and students will carry out a library-based research project and have the opportunity to discuss their progress and understanding of the topic at regular meetings with the supervisor. Students will submit their research assignment as a major component of their assessment for the course. This will replace some other assessable activities from the regular course. Students will also be exempt from attending some of the tutorial and/or practical classes in order to give them time to meet with their supervisor.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 2006 Integrated Physiology B

6 credit points. B Sc, B Sc (Nutrition). Dr Meloni Muir. **Session:** Semester 2. **Classes:** 5 lee, 3 prac, 3 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:** PHSI (2906 or 2002 or 2102 or 2902).. **Assessment:** One written exam; group and individual written and oral presentations.

NB: 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 gives a basic introduction to the functions of the remaining body systems: gastrointestinal, respiratory, endocrine, reproductive and renal. These topics will be organized and integrated as modules. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 2906 Integrated Physiology B (Advanced)

6 credit points. B Sc. Dr Dario Protti and Dr Catherine Leamey. **Session:** Semester 2. **Classes:** 5 lee, 3 prac, 2 tutorial per fortnight. Advanced students will be exempt from attending some of these classes to permit meetings with supervisor. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study. **Prohibitions:** PHSI (2006 or 2902 or 2002 or 2102).. **Assessment:** One written exam; group oral and individual written presentations, 1 research essay (research essay will replace some other assessment items from regular course).

NB: Department permission required for enrolment. Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 65 (Credit average) 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/practical 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. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning. The advanced stream of the course gives students an opportunity to interact with academics in small groups (or one to one) and to carry out a research project. Students will be allocated a supervisor and a project according to interest and availability. A research project will be determined by the supervisor, and students will carry out a library-based research project and have the opportunity to discuss their progress and understanding of the topic at regular meetings with the supervisor. Students will submit their research assignment as a major component of their assessment for the course. This will replace some other assessable activities from the regular course. Students will also be exempt from attending some of the tutorial and/or practical classes in order to give them time to meet with their supervisor.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

NEUR 3001 Neuroscience: Special Senses

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Dario Protti. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 prac per fortnight, 3 tut per fortnight. **Assumed Knowledge:** It is strongly recommended that students also take unit NEUR3002.

PHSI2005 and ANAT2010 are assumed knowledge. **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. **Assessment:** Two 1 hour exams, 1 prac report, tutorial papers, 2000w essay.

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

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000 or Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001

NEUR 3901 Neuroscience: Special Senses (Advanced)

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Dario Protti. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 prac per fortnight, 3 tut per fortnight. Advanced students may be exempt from attending some of these classes to permit meetings with supervisor. **Assumed Knowledge:** PHSI2005 and ANAT2010. **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 and PHSI3001 and PHSI3901. **Assessment:** Two 1 hour exams, 1 prac report, tutorial papers, 1 research or library essay (research essay will replace some other assessment items from regular course).

NB: 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

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000 or
Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001

NEUR 3002 Neuroscience: Motor Systems & Behaviour

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Vladimir Balcar. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 prac per fortnight, 3 tut per fortnight. **Assumed Knowledge:** It is strongly recommended that students also take unit NEUR3001. ANAT2010 and PHSI2005 is assumed knowledge. **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. **Assessment:** Two 1 hour exams, 1 prac report, tutorial papers, 2000w 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

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000 or
Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001
The Human Brain. Nolte. 4th Ed, C.V. Mosby Co., St Louis, Washington D.C., Toronto, 1999

NEUR 3902 Neuroscience: Motor Systems & Behav. Adv

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr Vladimir Balcar. **Session:** Semester 1. **Classes:** 2 lec/wk, 3 prac per fortnight, 3 tut per fortnight. Advanced students may be exempt from attending some of these classes to permit meetings with supervisor. **Assumed Knowledge:** ANAT2010 and PHSI2005 is assumed knowledge. **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 and PHSI3001. **Assessment:** Two 1 hour exams, 1 prac report, tutorial papers, 1 research or library essay (research essay will replace some other assessment items from regular course).

NB: 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

Principles of Neural Science. Kandel, Schwartz, Jessel. 4th Ed, Elsevier, NY, 2000 or
Neuroscience: Exploring the brain. Bear, Connors, Paradiso. Baltimore: Williams & Wilkins, 2001
The Human Brain. Nolte. 4th Ed, C.V. Mosby Co., St Louis, Washington D.C., Toronto, 1999

NEUR 3003 Cellular and Developmental Neuroscience

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Kevin Keay and Dr Catherine Leamey. **Session:** Semester 2. **Classes:** 3 lec plus 1hr tut or 2hr prac/wk. **Assumed Knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **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. **Assessment:** One 1 hr exam. Major essay/report.

NB: Enrollment in NEUR3004/3904 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 laboratory or library project. Issues covered in the lecture series will include the role of glial on cerebral blood flow and neural transmission, neurochemistry and psychiatric disorders and development of central and peripheral nervous system.

Textbooks

Kandell, Schwartz and Jessell "Principles of Neural Science" 4th edition.

NEUR 3903 Cellular & Developmental Neurosci. (Adv)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Kevin Keay and Dr Catherine Leamey. **Session:** Semester 2. **Classes:** 3 lec plus 1 tut or 2 prac/wk. **Assumed Knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **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. **Assessment:** One 1 hr exam. Major essay/report. Mini-lecture.

NB: Department permission required for enrolment. Enrollment in NEUR3004/3904 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other. Students must receive permission from the coordinators for enrolment.

This unit encompasses the material taught in NEUR3003. Advanced students prepare and present a mini-lecture on a current topic in neuroscience research.

Textbooks

Kandell, Schwartz and Jessell "Principles of Neural Science" 4th edition.

NEUR 3004 Integrative Neuroscience

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Kevin Keay and Dr Catherine Leamey. **Session:** Semester 2. **Classes:** 0-1hr lec plus 2 tut plus 1-2 small meeting/lab per wk. **Assumed Knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **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. **Assessment:** One 1 hr exam. Major essay/report. Tutorial participation.

NB: Enrollment in NEUR3003/3903 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 NEUR3003/3903. This course is a combination of small group lectures on current issues in neuroscience, seminar groups and a research-based laboratory or library 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.

NEUR 3904 Integrative Neuroscience (Advanced)

6 credit points. B A, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Kevin Keay and Dr Catherine Leamey. **Session:** Semester 2. **Classes:** 1 lec, 2 tut, 1-2 small meeting/lab per wk. **Assumed Knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **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. **Assessment:** One 1 hr exam. Major essay/report. Tutorial participation. Mini-Lecture.
NB: Department permission required for enrolment. 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 prepare and present a mini-lecture on a current topic in neuroscience research.

Textbooks

Kandell, Schwartz and Jessell "Principles of Neural Science" 4th edition.

PHSI 3005 Human Cellular Physiology: Theory

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr William Phillips.
Session: Semester 1. **Classes:** 3 lee, 1 tut/wk. **Assumed Knowledge:** 6 credit points of MBLG. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) For BMedSc: BMED (2801 and 2802). **Prohibitions:** PHSI3905, PHSI3004, PHSI3904. **Assessment:** One 2 hr exam, one 2000w essay.

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

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI 3905 Human Cellular Physiology (Adv): Theory

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr William D. Phillips.
Session: Semester 1. **Classes:** 3 lee, 1 tut/wk. **Assumed Knowledge:** 6 credit points of MBLG. **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 SciWAM of at least 68. **Prohibitions:** PHSI3005, PHSI3004, PHSI3904. **Assessment:** One 2 hr exam, one 2000w report based on a mentored research project.

NB: Department permission required for enrolment. 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

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI 3006 Human Cellular Physiology: Research

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr William D. Phillips.
Session: Semester 1. **Classes:** 2 small group PBL, 1 lec/wk; 3 hr prac in some weeks. **Prerequisites:** Except for BMedSc students: PHSI (2005 or 2905) and PHSI(2006 or 2906) For BMedSc: BMED (2801 and 2802). **Prohibitions:** PHSI3906, PHSI3004, PHSI3904. **Assessment:** One 1.5h exam, PBL assessments by oral presentations and paper summaries, prac reports.

NB: It is strongly recommended that students take PHSI3006 only in combination with PHSI3005. Students should contact the Physiology office to register for PBL and practical classes.

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 mechanism underlying the physiology and pathophysiology 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 an introduction to the biological and clinical features of the problem and 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

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI 3906 Human Cellular Physiology (Ad): Research

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Dr William D. Phillips.
Session: Semester 1. **Classes:** 2 small group PBL, 1 lec/wk; 3hs prac certain weeks. **Assumed Knowledge:** 6 credit points of MBLG. **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 SciWAM of at least 68. **Prohibitions:** PHSI3006, PHSI3004, PHSI3904. **Assessment:** One 1.5h exam, four PBL assessments by oral presentations and paper summaries, 1500w research report.

NB: Department permission required for enrolment. It is highly recommended that this unit of study be taken only in combination with PHSI3905

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 mechanism underlying the physiology and pathophysiology 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 an introduction to the biological and clinical features of the problem and 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

Molecular Biology of the Cell 4th Edn (Ed. Bruce Alberts, Publ. Garland Science)

PHSI 3007 Heart and Circulation: Normal Function

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Irene Schneider. **Session:** Semester 2. **Classes:** 2 lee, 3hr prac or 2hr tutorial per wk. **Assumed Knowledge:** 6 credit points of MBLG. **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. **Assessment:** One 2 hr exam, two 1000w reports, one oral presentation.

NB: 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.

PHSI 3907 Heart & Circulation: Normal Function Adv

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Irene Schneider. **Session:** Semester 2. **Classes:** 2 lee, 3hr prac or 2hr tutorial per wk. **Assumed Knowledge:** 6 credit points of MBLG. **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. **Assessment:** One 2 hr exam, 2000w report/essay based on a mentored research project, one oral presentation.

NB: 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.

PHSI 3008 Heart and Circulation: Dysfunction

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Irene Schneider. **Session:** Semester 2. **Classes:** 2 lee, 2 seminar session. **Assumed Knowledge:** 6 credit points of MBLG. **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 StudyFor BMedSc: BMED (2801 and 2803). **Prohibitions:** PHSI3908, PHSI3003, PHSI3903. **Assessment:** One 2 hr exam, seminar presentations, 2000wd essay. **NB:** 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.

PHSI 3908 Heart & Circulation: Dysfunction Adv

6 credit points. B Med Sc, B Sc, UG Study Abroad Program. Irene Schneider. **Session:** Semester 2. **Classes:** 2 lee, 2 seminar session. **Assumed Knowledge:** 6 credit points of MBLG. **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 StudyFor BMedSc: BMED (2801 and 2803). **Prohibitions:** PHSI3008, PHSI3003, PHSI3903. **Assessment:** One 2 hr exam, seminar presentations, 2000wd essaybased on mentored research project.

NB: 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 PHSI 3007.

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 new Plant Science program, which has been developed jointly by the Faculty of Agriculture, Food and Natural Resources and the School of Biological Sciences.

Senior units of study and a major in Plant Science will be made available in 2006, and students will be able to count PLNT units towards a major in either Plant Science or Biology.

Intermediate units of study

PLNT 2001 Plant Biochemistry and Molecular Biology

6 credit points. B A, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Prof Les Copeland (Coordinator), Dr Rosanne Quinell. **Session:** Semester 1. **Classes:** 2 hr lee, 3 hr practical/wk. **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, AGCH200L. **Assessment:** quizzes + theory of prac test (25%), laboratory reports (25%), final examination (50%). This unit of study explores the fundamentals of plant biochemistry, from what plants are made of to how plants regulate their metabolic processes. The specialised nature of these metabolic processes, which enable plants to respond to different biotic and abiotic environmental influences, is featured as is their relationship to food, feed and fibres. The unit covers basic chemistry and metabolic reactions of the main plant constituents, how storage reserves are mobilized to provide energy and substrates for growth and development, and how metabolic pathways are controlled and respond to influences from the plant environment. Special attention is given to these processes in economic plants, and their relevance to foods and fibres. The unit of study complements intermediate units of study in plant science, molecular and cell biology, genetics and biotechnology, and leads on to senior plant modules offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources. Learning in the unit is by lectures and laboratory work, augmented by self-directed learning related to the lecture and practical classes and discussions to provide insights into how molecular and biochemical approaches lead to understanding of plant functions. Students will be expected to access the WebCT site regularly for information.

Textbooks

A Study Guide for the unit will be available for purchase from the Copy Centre at a cost of \$10 during the first week of Semester.

PLNT 2901 Plant Biochem & Molecular Biology (Adv)

6 credit points. B A, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Prof Les Copeland (Coordinator), Dr Rosanne Quinell. **Session:** Semester 1. **Classes:** (3 lee or tut; 3 prac or sem)/wk. **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 2-hr exam (50%), laboratory reports (10%) independent research project presentation and report (25%), self-directed learning exercises (15%). The content will be based on PLNT2001 but qualified students will participate in alternative components at a more advanced level.

Textbooks

A Study Guide for the unit will be available for purchase from the Copy Centre at a cost of \$10 during the first week of Semester.

PLNT 2002 Aust Flora: Ecology and Conservation

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad. Dr Glenda Wardle & Dr Murray Henwood. **Session:** Semester 1. **Classes:** (2 lee & 3 prac)/wk, audiovisual. **Prerequisites:** One of BIOL1001, BIOL1101, BIOL1901; One of BIOL1002, BIOL1003, BIOL1902, BIOL1903, LWSCI002. (With the Dean's permission BIOL1201 and BIOL1202 may be substituted for the above.). **Prohibitions:** PLNT2902, BIOL2004 or BIOL2904.. **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 (or production systems at Camden), the Royal Botanic Gardens Sydney and the construction of student herbaria. The unit of study complements intermediate units of study in plant science, zoology, molecular and cell biology, genetics and biotechnology, and leads on to advanced plant and ecology modules offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources.

Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT 2902 Aust Flora: Ecology & Conservation (Adv)

6 credit points. B A, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Dr Glenda Wardle & Dr Murray Henwood. **Session:** Semester 1. **Classes:** (2 lec & 3 prac)/wk, audiovisual. **Prerequisites:** Distinction average in (one of BIOL1001, BIOL1101, BIOL1901) and (one of BIOL1002, BIOL1003, BIOL1902, BIOL1903, LWSC1002) (or with the Dean's permission BIOL1201 and BIOL1202).

Prohibitions: PLNT2002, BIOL2004, BIOL2904. **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.

PLNT 2003 Plant Form and Function

6 credit points. B A, B Agr Ec, B An Vet Bio Sc, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad. A/Prof Bruce Sutton, A/Prof Robyn Overall. **Session:** Semester 2. **Classes:** 2 lectures, 1hr tutorial and 1 prac, A/V session (2-3hr) or field trip (6hr) per wk. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** 12 credit points of Junior Biology (or with the Dean's permission), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1001. **Prohibitions:** PLNT2903, BIOL2003, BIOL2903, CROP200L. **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 Applied Plant Biochemistry, 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 (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer

Recommended reading:

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT 2903 Plant Form and Function (Advanced)

6 credit points. B A, B Anim Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. A/Prof Bruce Sutton and A/Prof Robyn Overall. **Session:** Semester 2. **Classes:** 2 lectures, 1hr tutorial and 1 prac, A/V session (2-3hr) or field trip (6hr) per wk. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** Distinction average in 12 credit points of Junior Biology or BIOL1001 and ENVI1001 (or with the Dean's permission, BIOL1201 and BIOL1202). **Prohibitions:** PLNT2003, BIOL2003, BIOL2903, CROP2001. **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 (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer

Recommended reading:

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

Senior units of study**PLNT 3001 Plant, Cell and Environment**

6 credit points. B A, B Hort Sc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Dr Rosanne Quinnell and A/Prof Bruce Sutton. **Session:** Semester 2. **Classes:** (2-3 workshops, 2-3 prac)/wk. **Prerequisites:** 12 credit

points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent. **Prohibitions:** PLNT 3901. **Assessment:** One 2hr exam (50%), 2 lab reports (50%).

This unit of study of comprises workshops and practical sessions that will be guided largely by current directions in plant science research in Australia. 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. Students will need to draw on knowledge from Intermediate units of study and will be expected to explore the published literature in order to successfully integrate information and participate in workshops and discussions. 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).

PLNT 3901 Plant, Cell and Environment (Advanced)

6 credit points. B A, B Hort Sc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program. Dr Rosanne Quinnell and A/Prof Bruce Sutton. **Session:** Semester 2. **Classes:** (2-3 workshops; 2-3 prac)/wk. **Prerequisites:** 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent. **Prohibitions:** PLNT3001. **Assessment:** One 2-hr exam (50%), 1 research report (50%).

NB: Department permission required for enrolment. Entry is restricted and is based on a combination of a high WAM and student motivation.

The purpose of this unit of study is to develop an understanding of current directions in Plant Science. The unit of study of comprises workshops and an advanced research project; these will be guided by current directions in plant science research in Australia. Theme areas will be identified and used to direct the workshops to be 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 landscape and the areas currently under investigation at the University of Sydney. Students will need to draw on knowledge from Intermediate units of study and will be expected to explore the published literature in order to successfully integrate information and participate in workshop discussions. The research project of this unit of study has sufficient flexibility for students to design their own experiments to answer questions and the research project will align closely with work being undertaken at the University of Sydney. A range of equipment for advanced experiments will be available including: pulse amplitude modulated (PAM) fluorometer; oxygen electrodes; Scholander bomb, gel electrophoresis (PAGE), specialised equipment housed in research laboratories.

PLNT 3002 Plant Growth and Development

6 credit points. B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program. A/Prof Robyn Overall. **Session:** Semester 2. **Classes:** (3 lec, 0-3 hr prac)/wk. **Prerequisites:** 12 credit points of intermediate PLNT, BIOL, AGCH or CROP units of study including at least one of PLNT 2001, PLNT 2901, PLNT 2003, PLNT 2903, BIOL 2016, BIOL 2916, BIOL 2003, BIOL 2903, BIOL 2006, BIOL 2906, CROP 2001, AGCH 2002 or equivalent. **Prohibitions:** PLNT 3902, BIOL 3021, BIOL 3931. **Assessment:** One 2 hr exam (60%), project presentation and report (20%), laboratory quizzes, report and book (20%).

This unit explores the mechanisms underlying plant growth and development from seed to maturity. It covers the process of building the plant body from embryogenesis, development and operation of meristems, polarity, patterning, controls of flowering and fruit development to programmed cell death and senescence. It includes the role of signals such as plant hormones in coordinating plant growth and development and the molecular and cellular mechanisms underlying plant responses to environmental signals such as gravity and light. There is a focus on recent plant molecular biology that has been critical in enhancing our current understanding of plant growth and development. The unit uses examples from crop, horticultural and native plants as well as the model plant Arabidopsis. Lectures are augmented by experimental work, including an independent research project. The laboratory work will include plant tissue culture, protoplast production and modern cell biological techniques used to study plant development. 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 (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer

Recommended reading:

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT 3902 Plant Growth and Development (Advanced)

6 credit points. B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program. A/Prof Robyn Overall. **Session:** Semester 2. **Classes:** (3 lee, 0-3 hr prac)/wk. **Prerequisites:** Distinction average in 12 credit points of intermediate PLNT, BIOL, AGCH or CROP units of study including at least one of PLNT 2001, PLNT 2901, PLNT 2003, PLNT 2903, BIOL 2016, BIOL 2916, BIOL 2003, BIOL 2903, BIOL 2006, BIOL 2906, CROP 2001, AGCH 2002 or equivalent. These requirements may be varied and students with lower averages should consult the unit coordinator. **Prohibitions:** PLNT 3002, BIOL 3021, BIOL 3931. **Assessment:** One 2 hr exam (60%), project presentation and report (30%), laboratory quizzes and book (10%).

Qualified students will participate in alternative components of PLNT 3002 Plant Growth and Development, representing 30% of the total assessment. 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 (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer

Recommended reading:

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.
Buchanan BB, Gmises 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.

PLNT 3003 Systematics and Evolution of Plants

6 credit points. B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Murray Henwood. **Session:** Semester 1. **Classes:** 2 lee, one 3hr prac/week. **Assumed Knowledge:** BIOLQ001 or 1101 or 1901 or 1002 or 1902 or 1904. **Prerequisites:** PLNT (2002 or 2902) or equivalent. **Prohibitions:** BIOL3015, BIOL3915, PLNT3903. **Assessment:** One 1.5 hr take-home exam (50%), oral presentation (5%), nomenclature exercise (15%), research project (30%).

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 (DNA 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: field biology, bioinformatics, general ecology and evolution.

Textbooks

Plant Systematics: A phylogenetic Approach (2002). W.S. Jud, C.S. Campbell, E.A. Kellogg, PR Stevens & M.J. Donoghue

PLNT 3903 Systematics and Evolution of Plants Adv

6 credit points. B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program. Dr Murray Henwood. **Session:** Semester 1. **Classes:** 2 lectures & 1 prac/wk. **Assumed Knowledge:** BIOL 1001 or BIOL 1101 or BIOL 1901 or BIOL 1002 or BIOL 1902 or BIOL 1904. **Prerequisites:** Distinction in PLNT 2002 or PLNT 2902 (or equivalent). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3015/3915 or PLNT3003. **Assessment:** One 1.5 hr take-home exam (50%), oral presentation (5%), nomenclature exercise (15%), research project (30%).

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

Plant Systematics: A phylogenetic Approach (2002). W.S. Jud, C.S. Campbell, E.A. Kellogg, PR Stevens & M.J. Donoghue

BIOL 3009 Terrestrial Field Ecology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur. **Session:** S2 Intensive. **Classes:** 6 day field trip, 10 lectures and 2 tutorials. **Assumed Knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly recommended. **Prerequisites:** 12 credit points of intermediate level Biology. **Prohibitions:** BIOL (3909, 3041, 3941, 3042, 3942, 3024, 3924). **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).

NB: Dates: Sunday 16 July to Friday 21 July 2006

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 is-

ues relating to the ecology, conservation and management of Australia's terrestrial flora and fauna.

BIOL 3909 Terrestrial Field Ecology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr Glenda Wardle (UEO), Prof Christopher Dickman, Dr Dieter Hochuli, Dr Clare McArthur. **Session:** S2 Intensive. **Classes:** 6 day field trip, 10 lectures and 2 tutorials. **Assumed Knowledge:** Ecological Methods (BIOL 3006) or Ecological Methods (advanced) BIOL 3906. Prior completion of one of these units is very strongly recommended. **Prerequisites:** Distinction average in 12 credit points of intermediate level Biology. **Prohibitions:** BIOL (3009, 3041, 3941, 3042, 3942, 3024, 3924). **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%).

NB: Dates: Sunday 16 July to Friday 21 July 2006

This unit has the same objectives as BIOL 3009 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 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.

BIOL 3017 Fungal Biology

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr P McGee. **Session:** Semester 1a. **Classes:** 5 lee & 15 prac in a two week intensive program immediately prior to semester one (labs run from 20 February to 3 March 2006), plus the equivalent of 30hrs 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, or their equivalent. **Prohibitions:** BIOL3917. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Students interested in fungal ecology, environmental and rehabilitation biology, fungal biodiversity, biological control and soil microbiology will study the structure and function of fungi. Emphasis will be placed on 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 examined, emphasising the use of these interactions in vegetation restoration and biocontrol of pests and pathogens. Students will be encouraged to develop a deeper understanding of one area of Fungal Biology through independent study. Part of the learning material will be available on the internet.

BIOL 3917 Fungal Biology (Advanced)

6 credit points. B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program. Dr P McGee. **Session:** Semester 1a. **Classes:** 5 lee & 15 prac in a two week intensive program immediately prior to semester one (from 20 February to 3 March 2006), plus the equivalent of 30hrs 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, or their equivalent. **Prohibitions:** BIOL3017. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will participate in alternative components of BIOL3017 Fungal Biology. The content and nature of the components will vary each year, but will include individual research on a topic agreed on with the executive officer.

PPAT 3003 Plant Disease

6 credit points. B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program. Prof Lester Burgess and Prof David Guest. **Session:** Semester 1. **Classes:** (2 lee, 3 hr practical classes)/wk. **Prerequisites:** Two of PLNT2001, PLNT 2901, PLNT 2002, PLNT 2902, PLNT 2003, PLNT 2903, MICR 2024 or MICR 2026. **Assessment:** Written exam 2 hr (60%), 12 Quizzes (15%), Group project report (25%).

This unit introduces fungi and other microbes as causes of plant disease that limit agricultural and horticultural production. The practical component introduces techniques used in handling and identifying fungi, and in studying plant disease. Emphasis is placed on the design of experiments and interpretation of experimental data. Topics include symptoms and 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.

Textbooks

Brown JF and Ogle HJ. 1997. Plant Pathogens and Plant Diseases. Rockvale Publications.

HORT 3005 Production Horticulture

6 credit points. B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program. Dr Jenny Jobling. **Session:** Semester 1. **Classes:** (2 lee, 3 labs/seminars/workshops)/wk. **Assumed Knowledge:** HORT 1001, HORT 1002 and HORT 2002. **Prerequisites:** Two of PLNT 2001, PLNT 2901, PLNT 2002, PLNT 2902, PLNT 2003, PLNT 2903. **Assessment:** One 3 hr exam (55%), Assignments (45%) ie Fruit crops 15%, Vegetables 15%, Tropical and Environmental Horticulture 15%.

Emphasis is given to the scientific basis for fruit and winegrape production and to sustainable vegetable crop production and tropical horticultural crops. Concepts underlying the establishment of and management of urban plants and use are addressed. The unit develops skills in the evaluation of technical and environmental status of established orchards, vineyards, vegetable crops and urban plantings.

HORT 3004 Postharvest Biology and Technology

6 credit points. B Hort Sc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc Agr, UG Study Abroad Program. Dr Robyn McConchie. **Session:** Semester 1. **Classes:** (2 lee, 3-4 labs/seminars/workshops)/wk. **Assumed Knowledge:** HORT 1001, HORT 1002 and HORT 2002. **Prerequisites:** Two of PLNT 2001, PLNT 2901, PLNT 2002, PLNT 2902, PLNT 2003, PLNT 2903. **Assessment:** Exam 2 hr (60%), Laboratory Reports (25%), Assignment (10%), Seminar (5%).

The unit develops understanding and skills relevant to the maintenance of quality during the harvesting, handling, storage and marketing of fresh plants and plant parts. The subject integrates the postharvest physiology of products that are handled or marketed in a living state, with the technological and economic challenges associated with delivering them from the field to the consumer. Supply chain analysis of crops will be examined via case study examples, drawn from fruits, vegetables, cut flowers, nursery and foliage crops, turf and edible fungi. Students will study all operations from harvesting to consumer evaluation.

Textbooks

Wills, R., McGlasson, B., Graham, D. and Joyce, D. "Postharvest: An Introduction to the Physiology and Handling of Fruit, Vegetables and Ornamentals." UNSW Press 4th Edition

AGRO 3002 Agronomy 3

6 credit points. B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program. A/Prof Bruce Sutton. **Session:** Semester 1. **Classes:** 5 student contact hrs/wk, workshops and discussions (36 hr total), labs (26 hr total). **Assumed Knowledge:** CROP 1001 or HORT 1001 or LWSC 1001. **Prerequisites:** PLNT 2003 or PLNT 2903. **Assessment:** One 2 hour exam, consultancy report, practical reports.

Agronomy studies the practices and underlying concepts of sustainable crop and pasture production. The scientific basis of modern practices used in crop production, particularly those relevant to New South Wales, is explored. This knowledge is used to appreciate the scale of future problems such as climate change, soil degradation and increased costs of petrochemical-based inputs like fuel and fertilizer. Possible responses to these problems that will help maintain productivity will be examined. The relationship between agricultural production and natural resource management is also considered as part of a modern production environment, with the impact of recent legislation supporting Ecologically Sustainable Development on agriculture and the agricultural response to it as the focus of discussion. The practical classes will develop key skills appropriate to precision agriculture and use of current decision support systems.

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 subject.

Extensive information about the subject and the School is available on the School web-site: www.psych.usyd.edu.au.

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, 3019, and HPSC3023. Mid-year entry is possible and involves modification of this sequence. (^Required for entry to Fourth Year)

All units of study are 6 credit points. The units of study available are:

PSYC 1001,
PSYC 1002,
PSYC 2011,
PSYC 2012,
PSYC 2013,
PSYC 2014,
PSYC 3010,
PSYC 3011,
PSYC 3012,
PSYC 3013,
PSYC 3014,
PSYC 3015,
PSYC 3016,

PSYC 3017,
PSYC 3018,
PSYC 3019,
HPSC 3023

Registration and noticeboards

Students in all years must register during the orientation period. Psychology 1001 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, A1 8 (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 4 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 4.

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

PSYC 1001 and PSYC 1002 are offered in the Sydney Summer School. Consult the Sydney Summer School web site for more information. <http://www.summer.usyd.edu.au/>

PSYC 1001 Psychology 1001

6 credit points. B A, B Agr Ec, B E, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 1, Summer. **Classes:** 3 lee & a tutorial of 1hr/wk and 1hr/wk of additional web-based (self-paced) material related to the tutorial (1hr/wk practical/demonstration). **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: subject matter and methods of psychology; basic statistics and measurement; behavioural neuroscience; applied psychology; social psychology; personality theory. This unit is offered in the Sydney Summer School. Consult the web site:

<http://www.usyd.edu.au/summerschool/> for more information.

Textbooks

Psychology 1001 Handbook,
Gray, P. (2002). Psychology (4th Edition). New York: Worth Publishers.
Burton, L.J. (2002). An Interactive Approach to Writing Essays and Research Reports in Psychology. Milton, Queensland: John Wiley & Sons.

PSYC 1002 Psychology 1002

6 credit points. B A, B Agr Ec, B E, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School. **Session:** Semester 2, Summer. **Classes:** 3 lectures & a tutorial of 1hr/wk and 1hr/wk of additional web-based (self-paced) material related to the tutorial (1hr/wk practical/demonstration). **Assessment:** One 2.5hr exam, one 1000 word essay, 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 offered in the Sydney Summer School. Consult the web site:

<http://www.usyd.edu.au/summerschool/>

for more information.

Textbooks

Psychology 1002 Handbook
Gray, P. (2002). Psychology (4th Edition). New York: Worth Publishers.
Burton, L.J. (2002). An Interactive Approach to Writing Essays and Research Reports in Psychology. Milton, Queensland: John Wiley & Sons.

PSYC 2011 Brain and Behaviour

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program. A/Prof Iain McGregor. **Session:** Semester 1. **Classes:** 3 lee, 1 tut/week. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2111. **Assessment:** One 2 hr exam, one 1500 word practical report, one 1500 word essay and six fortnightly 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

PSYC 2012 Statistics & Research Methods for Psych

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program. Dr Margaret Charles. **Session:** Semester 1. **Classes:** 2 lee, 1 tut / wk + 1 lee, 1 tut /fortnight. **Assumed Knowledge:** Recommended: HSC Mathematics, any level. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2112. **Assessment:** One 2hr exam; 3 class tests, 1000w group project, one 1hr 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

PSYC 2013 Cognitive and Social Psychology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program. Dr Karen Croot. **Session:** Semester 2. **Classes:** 3 lee & 1 tut/wk. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2113. **Assessment:** One 2hr exam, one 1500-2000 word essay/report, one 1000-1500w written practical exercise.

This unit expands the depth and range of topics introduced in the first year lectures on Cognitive Processes, Developmental Psychology and Social Psychology. Following an introductory lecture, the first section (16 lectures) on Cognitive Processes focuses on current theories of memory, attention and reasoning 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: Galotti, KM (2003) Cognitive psychology with Infotrac: In and out of the laboratory. Wadsworth Publishing.
Social: White, FA, Hayes, B & Livesey D (2005) Developmental Psychology: from infancy to adulthood. Sydney: Pearson Education Australia.

PSYC 2014 Personality and Differential Psychology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program. Dr Sabina Kleitman. **Session:** Semester 2. **Classes:** 3 lee & 1 tut/wk. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2114. **Assessment:** One 2hr exam, one 1500w essay, one 1500w report.

PSYC2014 is made up of two 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 various psychological attributes. 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:
Monte, C. F. & Solland, R. N. (2003). Beneath the Mask: An Introduction to Theories of Personality. Wiley.
Differential Psychology component:
see School website

PSYC 3010 Advanced Statistics for Psychology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Margaret Charles/Dr Sabina Kleitman. **Session:** Semester 2. **Classes:** 2hr lee, 2hr tut/wk. **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:** 2hr exam, class test, 1500w 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 web page

PSYC 3011 Learning and Behaviour

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Justin Harris. **Session:** Semester 1. **Classes:** 2hr lee, 1 x 2hr tut/wk. **Assumed Knowledge:** PSYC (2012 or 2112). **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. **Assessment:** One 2hr exam; 2000w 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

TBA

PSYC 3012 Cognition, Language and Thought

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Bruce Burns. **Session:** Semester 1. **Classes:** 2hr lee, 2hr prac/wk. **Assumed Knowledge:** PSYC (2012 or 2112). **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. **Assessment:** One 2 hr exam, 2000 word prac report, 1000 word prac 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

PSYC 3013 Perceptual Systems

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Colin Clifford/Dr Tatjana Seizova-Cajic. **Session:** Semester 2. **Classes:** 2hr lee, 1 x 2hr tut/wk. **Assumed Knowledge:** PSYC2012. **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. **Assessment:** One 2 hr exam, 1500w 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 some of the major theoretical issues motivating current perceptual research, to appreciate the significance of basic perceptual research for understanding normal perceptual functioning, and to be able to evaluate the empirical and conceptual worth of research contributions.

Textbooks

Sekuler, R. & Blake, R. (2002) Perception. McGrawHill.

PSYC 3014 Behavioural and Cognitive Neuroscience

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Ian Johnston/Dr Karen Croot. **Session:** Semester 2. **Classes:** 3hr lee, 1hrprac. **Assumed Knowledge:** PSYC (2113 or 2013). **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:** PSYC 3204, PSYC3215. **Assessment:** One 2 hour exam, one major essay/report 2000-2500 words, one 1000-1500 word written practical exercise.

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: psychopharmacology, addiction, molecular neuroscience, sensorimotor integration, and the neural basis of learning and memory, 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

PSYC 3015 Intelligence and Human Reasoning

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr. Damian Birney/Dr. Jens Beckmann. **Session:** Semester 1. **Classes:** 2 lee, 2 tut/wk. **Assumed Knowledge:** PSYC(2012 or 2112). **Prerequisites:** PSYC(2014 or 2114) and PSYC(2013 or 2113). **Assessment:** One x 2 hr exam; one x 1500 Essay; tutorial quizzes.

The aim of this unit of study is to provide an overview of recent studies of human cognitive abilities and intelligence, and 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, (a) The individual differences approach 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 (e.g., working-memory theories).

Textbooks

See school website.

PSYC 3016 Developmental Psychology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Pauline Howie. **Session:** Semester 1. **Classes:** 2 lee, 2 tut/wk. **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:** PSYC 3206. **Assessment:** One 2hr exam, 2000w 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 second part of 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.

PSYC 3017 Social Psychology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Michael Walker. **Session:** Semester 1. **Classes:** 2 lee, 2 tut/wk. **Assumed Knowledge:** PSYC (2012 or 2112). **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. **Assessment:** One 2 hr exam, 2500wd research report, tutorial presentation.

PSYC3017 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.

PSYC 3018 Abnormal Psychology

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Marianna Szabo. **Session:** Semester 2. **Classes:** 2 lee, 2 tut/wk. **Assumed Knowledge:** PSYC2012. **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. **Assessment:** One 2 hr exam, 2000w essay, 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, agoraphobia, 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: Learning disabilities, Mental retardation, Pervasive developmental disorders, Attention Deficit Hyperactivity disorder; Conduct disorder; Anxiety disorders, Depression.

Textbooks

See School website.

PSYC 3019 Communication and Counselling

6 credit points. B A, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program. Dr Michael Walker. **Session:** Semester 2. **Classes:** 2 lee, 2 tut/wk. **Assumed Knowledge:** PSYC (2012 or 2112).

Prerequisites: PSYC2013 and one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112) and PSYC (2014 or 2114). **Prohibitions:** PSYC3214. **Assessment:** One 2 hr exam, 2,500w report, quiz.

This part of the unit is concerned with understanding how interpersonal communication occurs in a face to face context. The emphasis will be on the structure of language and non-language components that compose the message and the extent to which that message is correctly decoded.

Counselling:

This part of the unit of study aims to provide an introduction to counselling psychology, to critically examine the theoretical foundations of counselling processes and to consider relevant empirical research.

Textbooks

See School website.

Psychology Honours

Prerequisite:- A Major in Psychology with 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 5. School permission required. Due to restricted resources for research supervision, the intake to Psychology 4 Honours will be limited to approximately 55 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 three Special Fields modules.

Students are required to:

- devise, conduct and report upon an empirical research project (research area dependent on interests and specialities of staff members);
- write a theoretical thesis or attend two Special Fields seminars and complete required assessment tasks; and
- attend one lecture series in Ethics and Issues in Psychology and two series of lectures in Research Methods.

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.

Virology

Details for Virology units can be found under the Microbiology entry.

8. Degree regulations and policies

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Resolutions of the Senate

Constitution of the Faculty of Education and Social Work

1. The Faculty of Education and Social Work shall comprise the following persons:
 - (a) the professors, readers, associate professors, senior lecturers, lecturers and associate lecturers, being full-time or fractional (half-time or greater), whether permanent or temporary (contract), members of the teaching staff of the schools in the Faculty of Education and Social Work;
 - (b) honorary professors, honorary associate professors, honorary readers, honorary senior lecturers, honorary lecturers and honorary associate lecturers in the Faculty of Education and Social Work;
 - (c) such other persons, if any, being full-time members of the research staff of the schools in the Faculty holding appointments of research fellow and above;
 - (d) the Dean of the Faculty of Arts, or the Dean's nominee, and not more than four members of the academic staff of the Faculty of Arts nominated by the Faculty of Arts;
 - (e) the Dean of the Faculty of Economics and Business, or the Dean's nominee, and not more than two members of the academic staff of the Faculty of Economics and Business nominated by the Faculty of Economics and Business;
 - (f) the Dean of the Faculty of Science, or the Dean's nominee, and not more than three members of the academic staff of the Faculty of Science nominated by the Faculty of Science;
 - (g) not more than one member from the academic staff of the Board of Studies in Music nominated by the board of studies;
 - (h) the Director of the Sydney Conservatorium of Music or the Director's nominee;
 - (i) the Director of the Sydney College of the Arts or the Director's nominee;
 - (j) the Director of the Koori Centre or the Director's nominee;
 - (k) Subject to subsection (a), not more than five members of the part-time teaching staff of the schools in the Faculty appointed by the Faculty of Education and Social Work;
 - (l) not more than five persons with appropriate experience in the field of education and/or social work, being persons other than members of the schools in the Faculty, as may be appointed by the Faculty and for such period as it may determine;
 - (m) four persons, being members of the administrative staff of the Faculty of Education and Social Work, who, in the opinion of the Faculty, have a close and appropriate association with its work of teaching and research;
 - (n) not more than five students elected annually in the manner prescribed by resolution of the Senate; and
 - (o) the Dean of the Faculty of Education at the University of Melbourne, or the Dean's nominee.
2.
 - (a) Subject to subsection (d), the members appointed in accordance with Section 1(d) to (o) inclusive shall hold office for a maximum period of two years, in the first instance, commencing on 1 January following their appointment. All appointments shall cease on 31 December 2003, and then every two years after that date.
 - (b) Members shall be eligible for re-appointment or re-election.
 - (c) A person shall cease to hold office if that person ceases to hold the qualifications by virtue of which that person was eligible to hold office.
 - (d) If a vacancy occurs in the office of a member appointed in accordance with Section 1(d) to (o), the vacancy may be filled in like manner to the appointment, and the person so appointed shall hold office for the balance of the term of the person being replaced.

3. The Pro-Vice-Chancellor (Humanities and Social Sciences) is invited to attend all meetings of the Faculty of Education and Social Work.

Schools

Schools referred to in the resolutions are:

- (a) School of Development and Learning;
- (b) School of Policy and Practice;
- (c) School of Social Work and Policy Studies which the Vice-Chancellor has determined shall be placed under the supervision of the Faculty of Education and Social Work.

Degrees, diplomas and certificates in the Faculty of Education and Social Work

1. The degrees in the Faculty of Education and Social Work shall be:

- (a) Bachelor of Education (BEd)
- (b) Bachelor of Teaching (BTeach)
- (c) Bachelor of Social Work (BSW)
- (d) Master of Teaching (MTeach)
- (e) Master of Education (MEd)
- (f) Master of Education (Research) (MEd (Research))
- (g) Master of Social Work (MSW)
- (h) Master of Social Work (International) (MSW (International))
- (i) Master of Philosophy in Social Work (MPhilSW)
- (j) Master of Philosophy in Education (MPhilEd)
- (k) Master of Policy Studies (MPS)
- (l) Master of Learning Science and Technology (MLS&T)
- (m) Doctor of Philosophy (PhD)
- (n) Doctor of Education (EdD)
- (o) Doctor of Social Work (DSW)
- (p) Doctor of Letters in Social Work (DLittSW)

2.

- (1) The degree of Bachelor of Education shall be awarded in the following fields and the certificates for the degrees shall state the respective specifications for which the degree has been awarded:
 - (a) Bachelor of Education (Primary Education)
 - (b) Bachelor of Education (Secondary Education: Human Movement and Health Education)
 - (c) Bachelor of Education (Secondary Education: Humanities and Social Sciences)/Bachelor of Arts
 - (d) Bachelor of Education (Secondary Education: Science/Bachelor of Science or Bachelor of Science (Advanced))
 - (e) Bachelor of Education (Secondary Education: Mathematics/Bachelor of Science or Bachelor of Science (Advanced Mathematics))
 - (f) Bachelor of Education (Secondary Education: Humanities and Social Sciences)
 - (g) Bachelor of Education (Secondary Education: Mathematics)
 - (h) Bachelor of Education (Secondary Education: Science)
 - (i) Bachelor of Education (Secondary Education: Design and Technology)
 - (j) Bachelor of Education (Secondary)/Bachelor of Science (Psychology)
 - (k) Bachelor of Education (Secondary)/Bachelor of Arts (Psychology)
 - (l) Bachelor of Education (Secondary Education: Aboriginal Studies)
- (2) The degree of Master of Education may be awarded in the following designated areas of study:
 - (a) Educational Management and Leadership
 - (b) Teaching English to Speakers of other Languages/Languages
 - (c) Teaching and Curriculum Studies
 - (d) Information Technology in Education
 - (e) Special Education

8. Degree regulations and policies

- (f) Educational Psychology
- (g) English and Literacies in Education
- (h) Health Education
- (i) Research Methodology
- (j) Coach Education;
- (k) Higher education
- (l) Human Movement
- (m) International Education

3. The certificates for the degrees shall specify the area of study in which the degrees have been awarded.

- (1) The diplomas and certificates in the Faculty of Education and Social Work shall be:
 - (a) Graduate Diploma in Educational Studies (GradDipEdStud)
 - (b) Graduate Diploma in Social Work (GradDipSW)
 - (c) Graduate Diploma in Policy Studies (GradDipPS)
 - (d) Graduate Diploma in Professional Studies (Education) (GradDipProfStud(Education))
 - (e) Graduate Certificate in Educational Studies (GradCertEd-Stud)
 - (f) Graduate Certificate in Teaching English as a Foreign Language (GradCertTEFL)
 - (g) Graduate Certificate in Professional Practice Supervision (GradCertProfPractSupervision)
 - (h) Graduate Certificate in Dying, Death and Palliative Care (GradCertDyingDeathPallCare)
 - (i) Graduate Certificate in Mental Health Policy and Practice (GradCertMHPolicy & Practice)
 - (j) Graduate Certificate in Policy Studies (GradCertPS)
- (2) The Graduate Diploma and Graduate Certificate in Educational Studies may be awarded in the following designated areas of study:
 - (a) Aboriginal Education
 - (b) Educational Management and Leadership
 - (c) Teaching English to Speakers of other Languages/Languages
 - (d) Teaching and Curriculum Studies
 - (e) Information Technology in Education
 - (f) Special Education
 - (g) Educational Psychology
 - (h) English and Literacies in Education
 - (i) Health Education
 - (j) Research Methodology
 - (k) Coach Education
 - (l) Higher education
 - (m) Human Movement
 - (n) International Education

In the case of the Graduate Diploma in Educational Studies, the certificate for the diploma shall specify the area of study in which the diploma has been awarded.

Bachelor of Education

These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000, which set out the requirements for all undergraduate courses, and the relevant Faculty Resolutions.

1. Requirements for the pass degree

To qualify for award of the pass degree candidates must:

- (1) unless otherwise stated in these resolutions, complete successfully units of study giving credit for a total of 192 credit points; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University

2. Streams

The degree of Bachelor of Education will be awarded in the following specialisations:

- (1) Primary Education
- (2) Secondary Education: Humanities and Social Sciences
- (3) Secondary Education: Human Movement and Health Education
- (4) Secondary Education: Mathematics
- (5) Secondary Education: Science
- (6) Secondary Education: Design and Technology
- (7) Secondary Education: Aboriginal Studies

The degree of Bachelor of Education will also be awarded as a combined course with the degrees listed as follows:

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

- (2) Secondary Education: Science/Bachelor of Science
- (3) Secondary Education: Mathematics/Bachelor of Science
- (4) Secondary Education /Bachelor of Arts (Psychology)
- (5) Secondary Education /Bachelor of Science (Psychology)

4. Requirements for the Honours degree

To qualify for award of the honours degree candidates must complete the honours requirements published in the Faculty resolutions relating to the course.

5. Requirements for the Combined Degrees

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

These Resolutions must be read in conjunction with the University of Sydney (Coursework) Rule 2000, which sets out the requirements for all coursework courses, and the relevant Faculty Resolutions.

1. Requirements for the pass degree

To qualify for the award of the pass degree candidates must:

- (1) complete successfully units of study giving credit for a total of 192 credit points; and
- (2) satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University

2. Requirements for the honours degree

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 combined degrees

- (1) The degree of Bachelor of Social Work will be awarded as a combined course with the degree listed as follows:
Bachelor of Social Work/Bachelor of Arts
- (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

Section 1

1. Pass degree and degree with honours

- (a) the degree of Bachelor of Education shall be awarded in two grades, namely, the pass degree and the degree with honours.
- (b) 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. Units of study of enrolment undertaken in other faculties

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.

3. Transitional provisions

(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

4. Primary Education

Except with the permission of the Faculty, a candidate for the degree in Primary Education shall complete the following program of units of study:

Year I

- (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
- (2) Science Foundations 1 and Science Foundations 2;
- (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
- (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.

Year II

- (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
- (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
- (3) Either:
 - (a) 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
 - (b) 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
 - (c) 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.

Year III

- (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.
- (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.

Year IV

- (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;
- (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**5. Human Movement and Health Education**

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:

Year I

- (1) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and
- (2) Human Bioscience and Sports Mechanics; 12 credit points and
- (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 12 credit points; and
- (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.

Year II

- (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
- (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 24 credit points;

(3) Units of study chosen from the following:

- (a) 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
- (b) 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
- (c) Second Year 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 the Faculty of Economics and Business.

Year III

- (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
- (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.

Year IV

- (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;
- (2) 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.

6. Design and Technology (no intake after 2005)

(1) Eligibility for admission

The Faculty may admit to candidature for the degree a person who:

- (a) has successfully completed a Level 4 TAFE Certificate in either Hospitality (Catering Operations) or Information Technology (Client Support); or
- (b) has completed other qualifications deemed by the Faculty to be equivalent.

(2) Requirements for the degree

- (a) Candidature for the degree is full time.
- (b) Candidates qualify for award of the degree by completing successfully units of study giving credit for a total of 192 credit points, of which the equivalent of 88 shall be undertaken at TAFE.

Successful completion of 104 credit points, as stipulated in the Resolutions of Faculty, shall be required for award of the degree. Except with the permission of the Faculty, a candidate for the degree Design and Technology shall complete the following program of study:

Year II

- (1) Design Fundamentals 1A and 1B: Applied Studies undertaken at TAFE; and
- (2) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and
- (3) Information Processes and Technology I and II; or Food Science I and II; and
- (4) Teaching Technology 1A and 1B; and
- (5) Teaching and Learning 1 (D & T).

Year III

- (1) Design Fundamentals 2A and 2B: Applied Studies undertaken at TAFE; and
- (2) EDUF 2006 and EDUF 2007; and
- (3) Teaching Technology 2A and 2B; and
- (4) Professional Experience I (40 days).

Year IV

- (1) Senior, 300 level, units in Education taken from those listed in Table of units of study, including specified units, total 12 credit points; and
- (2) Teaching Design and Technology IIIA and IIIB; and
- (3) Teaching and Learning 2 (D & T); and
- (4) Teaching Technology (VET): Hospitality I and II; or

8. Degree regulations and policies

- (5) Teaching Technology (VET): Information Technology I and II; and
- (6) Food Science III and IV; or
- (7) Software Design and Development I and II; and
- (8) Professional Experience II (40 days); and
- (9) Graduating Design Project.

7. Aboriginal Studies

- (1) Eligibility for admission
The Faculty may admit to candidature for the degree an Aboriginal or Torres Strait Islander person 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.
- (2) Requirements for the degree
 - (a) Candidates qualify for award of the degree by completing successfully units of study giving credit for a total of 96 credit points.
 - (b) 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.

8. Combined courses

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

Bachelor of Education (Secondary: Mathematics)/Bachelor of Science or Bachelor of Science (Advanced)

Bachelor of Education (Secondary: Science)/Bachelor of Science or Bachelor of Science (Advanced)

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

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

- (1) Candidature for the degrees in the combined courses is full-time.
- (2) Candidates qualify for the award of the degrees in the combined course by completing 240 credit points.
- (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.
- (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.
- (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.
- (6) Candidates in Bachelor of Education (Secondary)/Bachelor of Science (Psychology), Bachelor of Education (Secondary)/Bachelor of Arts (Psychology) must obtain a credit average in Psychology I to progress to Psychology II and a credit average in Psychology II to progress to Psychology III and a credit average in Psychology III to progress to Psychology IV
- (7) Psychology Honours will be awarded in accordance with the guidelines set out in the Faculty of Science Resolutions.
- (8) 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.

Combined degree programs of study

9. Humanities and Social Sciences

Year I

- (1) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and
- (2) Junior units of study offered by the Faculty of Arts, total of 12 credit points, in approved teaching area, selected from Table A or Table B; and
- (3) Junior units of study offered by a department or school within the Faculty of Arts, total of 12 credit points, in approved teaching area, selected from Table A; and

- (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.

Year II

- (1) Senior units of study in Education, as specified in the Table of units of study, total of 18 credit points; and
- (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
- (3) Senior units of study, total of 12 credit points, offered by a department or school within the Faculty of Arts, in selected teaching area from Table A, being the major sequence; and
- (4) Senior units of study, total of 12 credit points, offered by either of the Faculties of Arts, Science or Economics and Business, in selected teaching area from Table A or Table B, being the minor sequence.

Year III

- (1) Senior, unit of study in Education selected from the Table of units of study, total of 6 credit points; and
- (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
- (3) Senior units of study total of 12 credit points offered by the Faculty of Arts, in selected teaching area, from Table A, being the major sequence.

Year IV

- (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) 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
- (3) Senior units of study, total of 12 credit points, offered by the Faculty of Arts, in selected teaching area from Table A, being the Major Sequence.

Year V

- (1) Curriculum and Professional Studies in Secondary Education, as specified in the Table of units of study, total of 24 credit points;
- (2) Senior units of study, 24 credit points, in the major sequence to complete requirements for award of the Bachelor of Arts.

10. Mathematics

Special provisions

- (1) A student may proceed concurrently to the degrees of Bachelor of Education and Bachelor of Science or Bachelor of Science (Advanced Mathematics). Refer to Section 14 below.
- (2) No more than 100 credit points may be from Junior units of study.

11. Program of study

- (1) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and
- (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
- (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
- (4) Junior units of study offered by the Faculty of Science total of 12 credit points.

Year II

- (1) Senior units of study in Education, as specified in the Table of units of study, total of 18 credit points; and
- (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
- (3) Intermediate units of study, 12 credit points, in Mathematics and Statistics; and
- (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.

Year III

- (1) Senior units of study in Education, selected from the Table of units of study, 6 credit points; and
- (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
- (3) Senior units of study in Mathematics and Statistics, 12 credit points, offered by the Faculty of Science.

Year IV

- (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) 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
- (3) Senior units of study in Mathematics and Statistics, 12 credit points, offered by the Faculty of Science.

Year V

- (1) Curriculum and Professional Studies in Secondary Education, as specified in the Table of units of study, total of 24 credit points;
- (2) Senior or intermediate units of study, 24 credit points, to complete requirements for award of the Bachelor of Science (Mathematics).

12. Science**Special provisions**

- (1) A student may proceed concurrently to the degrees of Bachelor of Education and Bachelor of Science or Bachelor of Science (Advanced). Refer to Section 16 below.
- (2) No more than 100 credit points may be from Junior units of study.

13. Program of study**Year I**

- (1) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and
- (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
- (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
- (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.

Year II

- (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) 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
- (3) Intermediate units of study in the minor sequence, 12 credit points, offered by the Faculty of Science selected from Science Table 1; and
- (4) Intermediate units of study in the major sequence, 12 credit points, offered by the Faculty of Science selected from Science Table 1.

Year III

- (1) Senior units of study in Education, selected from the Table of units of study, total of 6 credit points; and
- (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
- (3) Senior units of study in major sequence, total of 12 credit points, offered by the Faculty of Science, selected from Science Table 1.

Year IV

- (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) 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
- (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.

Year V

- (1) Curriculum and Professional Studies in Secondary Education as specified in the Table of units of study, 24 credit points; or
- (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).

14. Requirements for award

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:

- (1) include at least 12 credit points of Intermediate units of study at either the Advanced level or as TSP units;
- (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) 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.

15. School Counselling/Science**Year I**

- (1) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and
- (2) Specified Junior units of study in Psychology, 12 credit points; and
- (3) Junior units of study in Science, 24 credit points, of which 12 credit points must be in Mathematics and 12 in Chemistry.

Year II

- (1) Units of study in Education, as specified in the Table of units of study, total of 18 credit points; and
- (2) Specified Intermediate level units of study in Psychology, 18 credit points; and
- (3) Intermediate level units of study selected from Science Table 1, 12 credit points, which must be in the selected Science teaching subject.

Year III

- (1) Units of study in Education, as specified in the Table of units of study, total of 18 credit points; and
- (2) Specified Senior units of study in Psychology, 30 credit points.

Year IV

- (1) Units of study in Education, as specified in the Table of units of study, including professional experience, 24 credit points; and
- (2) Specified units of study in Psychology, 24 credit points.

Year V

- (1) Units of study in Education, as specified in the Table of units of study, including professional experience, 16 credit points; and
- (2) Specified units of study in Psychology, 20 credit points; and
- (3) Senior units of study selected from Science Table 1, 12 credit points, to complete study in the Science teaching subject.

16. School Counselling/Arts**Year I**

- (1) Junior units of study in Education, as specified in the Table of units of study, total of 12 credit points; and

8. Degree regulations and policies

- (2) Specified Junior units of study in Psychology, 12 credit points; and
- (3) Junior units of study in Arts, 24 credit points, of which 12 must be in the selected teaching subject.

Year II

- (1) Units of study in Education, as specified in the Table of units of study, total of 14 credit points; and
- (2) Specified Intermediate level units of study in Psychology, 16 credit points; and
- (3) Senior level units of study selected from Arts Table A, 18 credit points, which must be in the selected teaching subject.

Year III

- (1) Units of study in Education, as specified in the Table of units of study, total of 18 credit points; and
- (2) Specified Senior units of study in Psychology, 30 credit points.

Year IV

- (1) Units of study in Education, as specified in the Table of units of study, including professional experience, 24 credit points; and
- (2) Specified units of study in Psychology, 24 credit points.

Year V

- (1) Units of study in Education, as specified in the Table of units of study, including professional experience, 16 credit points; and
- (2) Specified units of study in Psychology, 20 credit points; and
- (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

17. Subject areas for award of degree with honours

- (1) Honours shall be awarded on the basis of weighted average marks in all education units of study in years two, three and four including failures but excluding professional experience units of study for which the result is R, (satisfied requirements).
 - (a) Year 2 units of study will be weighted: 1.
 - (b) Year 3 units of study shall be weighted: 2.
 - (c) Year 4 units of study will be weighted: 2, except for EDUF4044 Reading and Designing Research which will be weighted: 3.
- (2) The degree of Bachelor of Education shall be awarded in two grades, namely pass and honours.
 - (a) The WAM is calculated by summing the products of the marks achieved and the weighted credit point values of the Education units of study taken in years two, three and four in the degree and then dividing by the sum of the weighted credit points, with all attempts at units of study being included in the calculation, except where units of study are discontinued with permission. For the formula of the WAM, see Glossary.
 - (b) The weighted average mark shall be calculated and grades of honours will be awarded (for the following weighted average marks) as follows:

Marks	Class of honours
80-100	1
75-79	2/1
70-74	2/2

- (3) In awarding honours (at graduation), the Faculty will, in addition to the WAM, take into account the length of time taken to complete the course and performance in professional experience in Education.
- (4) In order to be considered for the award of the University Medal, a student must obtain a WAM of 85 or greater over years two, three and four in Education units of study, and must achieve a mark of 90 or greater in EDUF4044 Reading and Designing Research. The decision to award a University Medal shall be made by the Faculty.

- (5) Where students are selected to participate in exchange programs the marks received at the other institution will not be converted for the purposes of weighted average marks.
- (6) Candidates pursuing honours in the Faculty of Education and Social Work shall be enrolled in one of the following professional degrees:
 - (a) Primary Education;
 - (b) Secondary Education (Human Movement and Health Education);
 - (c) Bachelor of Education (Secondary Education: Humanities and Social Sciences)/Bachelor of Arts;
 - (d) Bachelor of Education (Secondary Education: Science)/Bachelor of Science;
 - (e) Bachelor of Education (Secondary Education: Mathematics)/Bachelor of Science.

Bachelor of Social Work

18. Requirements for the pass degree

Year I

- (1) Junior units of study in Sociology as specified in the Social Work Table of units of study, total of 12 credit points; and
- (2) Junior units of study selected from those offered by the Faculty of Arts, total of 36 credit points.

Year II

- (1) Senior units of study in Sociology as specified in the Social Work Table of units of study, total of 12 credit points; and
- (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
- (3) Senior units of study in Social Work as specified in the Social Work Table of units of study, total of 12 credit points; or
- (4) Intermediate units of study in Psychology as specified in the Social Work Table of units of study, total of 12 credit points; and
- (5) Senior units of study offered by the Faculty of Arts, total of 18 credit points.

Year III

- (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
- (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).

Year IV

- (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
- (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).

19. Progression rules

A candidate shall proceed according to the following progression rules:

- (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) 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.
- (3) A candidate shall not attempt the fourth year without having obtained 144 credit points.
- (4) A candidate shall not attempt Field Education 2A and 2B without having obtained 153 credit points.
- (5) A candidate shall not attempt IBL unit 4 without having obtained 177 credit points.
- (6) A candidate shall not attempt Integrative Studies 402 without having obtained 186 credit points.

20. Combined Arts/Social Work course

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) 48 Junior credit points from the Faculty of Arts Table of units of study, including 12 Junior credit points of Sociology (units coded SCLG);
- (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;
- (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 (2);
- (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;
- (5) 6 Senior credit points of Aboriginal Studies as may be specified by the Coordinator of the combined degree program;
- (6) 96 credit points from the units of study prescribed for the third and fourth years of the Bachelor of Social Work.

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.

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. 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.

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.

21. Honours course for Bachelor of Social Work

Honours shall be awarded in the following manner:

- (1) The credit points in the third and fourth years shall be weighted as follows:

Year III

- (a) IBL Unit 1: 2
- (b) IBL Unit 2: 2
- (c) Professional Practice: 2

Year IV

- (a) IBL unit 3: 3
- (b) IBL unit 4: 4
- (c) Integrative Studies 402: 4

- (2) A weighted average mark shall be calculated and grades of honours will be awarded for the following weighted average marks:

Marks	Class of honours
80-100	1
75-79	2/1
70-74	2/2

- (3) In awarding honours at graduation, the Faculty will take into account the performance of students generally, including the length of time taken to complete the course and performance in field education; where students are selected to participate in exchange programs the marks received at the other institution will not be calculated for the purposes of weighted average marks.
- (4) If a candidate graduates with First Class Honours and the Faculty is of the opinion that the candidate's work is of sufficient merit, that candidate shall receive a bronze medal. Where students are selected to participate in exchange programs the

marks received at the other institution will not be calculated for the purposes of weighted average marks.

Section 2

22. Enrolment in more/less than minimum load

- (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.
- (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.

23. Repeating a unit of study

- (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) 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.
- (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.

24. Cross-institutional study

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:

- (1) the unit of study content is material not taught in any corresponding unit of study in the University; or
- (2) the student is unable, for good reason, to attend a corresponding unit of study at the University.

25. Restrictions on courses of enrolment

- (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: Life sciences mathematics A and Life sciences mathematics B (with normal units of junior Mathematics in Year 1); and Economics 1001, 1002 with Economics as a social science (ECOP 1001) and Structure and change in modern economics (ECOP 1002).
- (2) Except with the permission of the Faculty, candidates for the degree shall not:
 - (a) enrol in more than 48 credit points each year;
 - (b) proceed to the units of study prescribed for Year III until the candidate has fulfilled the requirements of Years I and II.
- (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.

26. Satisfactory progress

- (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.
- (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.
 - (a) 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,

- (b) 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.
- (3) If a candidate for the degree fails to pass a minimum of 50 per cent (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.

27. Credit transfer policy

- (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 sections 4 to 20 inclusive.
- (2) A candidate granted credit toward the degree under Section 27 (1) shall:
 - (a) count towards the degree all units of study so credited subject to the provisions of these resolutions;
 - (b) 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;
 - (c) 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.
- (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.
- (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:
 - (a) completed more than five years prior to admission or re-admission to candidature;
 - (b) 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.
- (5) A Social Work student will not be granted credit for field education or work experience.
- (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.

28. Time limits

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.

29. Suspension of candidature

- (1) Unless suspension of candidature has been approved by Faculty, a candidate for the degree is required to re-enrol each calendar year.
- (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.

30. Lapse of candidature

- (1) Unless the Faculty otherwise determines in any particular case, candidature for the degree will be deemed to have lapsed if a candidate has:
 - (a) not completed all the requirements for award of the degree in accordance with resolutions; or
 - (b) not re-enrolled for the degree as required in accordance with resolution 29.
- (2) A candidate whose candidature has been deemed to have lapsed in accordance with subsection (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 Friday 31 March 2006 for Semester 1 and Thursday 31 August 2006 for Semester 2.

1. Enrolment

- (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.
- (2) Students who are not enrolled in a unit of study may not carry over results to subsequent semesters.
- (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

- (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) 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 Friday 31 March 2006; for Semester 2 units of study the deadline is Thursday 31 August 2006.

3. Discontinued - not to count as failure

- (1) This does not count as an attempt at the unit of study, but does appear on the candidate's academic record.
- (2) After the deadline for withdrawal has passed a candidate may have enrolment recorded as "discontinued with permission" where:
 - (a) evidence is produced of serious illness or misadventure; or
 - (b) notice is given to the Faculty of Education and Social Work Office on or before the deadline.
- (3) The deadlines for discontinuation with permission without having to produce evidence of serious illness or misadventure are:
 - (a) for Semester 1 units of study: the end of the 7th week of lectures;
 - (b) for Semester 2 units of study: on or before the 7th week of lectures.

4. Discontinued - fail

- (1) This counts as an unsuccessful attempt at the unit of study concerned and appears on the candidate's academic record.
- (2) Except with Faculty permission, candidates may not repeat a unit of study which they have failed or discontinued more than once.
- (3) In order to have "discontinued" recorded, notice must be given to the Faculty of Education and Social Work Office on or before the last day of lectures for the unit of study:
 - (a) for Semester 1 units of study the deadline is Friday 9 June 2006;
 - (b) for Semester 2 units of study the deadline is Friday 27 October 2006.

- (4) If a candidate misses the deadline and does not sit the final examination, the result recorded is "absent fail".

Policy regarding special consideration, leave of absence and attendance

1. Special Consideration

1. Application

- (1) Students, who for reasons of serious ill health or serious misadventure as outlined in Academic Board policy on Special Consideration may apply for Special Consideration in their Course or units of study.
- (2) In the Faculty of Education and Social Work these further grounds for Special Consideration will also be considered:
 - (a) having been granted leave of absence by the Faculty of Education and Social Work (see advice on this elsewhere);
 - (b) applications related to disability or health status. In this case the application should be made well before the activities, including assessment tasks for which Special Consideration is sought.
- (3) Where requests for re-submission of assignments, extensions or make-up examinations can satisfy a student's needs, an application for Special Consideration should not be necessary.
- (4) Where consideration for a particular assignment or assessment task is sought however, the application for Special Consideration will not be accepted more than seven days following the assessment due date or task (including examination).
- (5) Students have the obligation to make themselves aware of Faculty and University policy on Special Consideration. University policy is available on the following website: <http://db.au-th.usyd.edu.au/policy/>.
- (6) The Special Consideration form is available from the Faculty of Education and Social Work office, or the website of the Faculty of Education and Social Work. With the Special Consideration form is supplied a Professional Practitioner Certificate. This should be completed by a registered medical practitioner or professional counsellor. Certificates signed by family members are not acceptable. Other documentation may be supplied in applications as they are relevant to the application.

NB: Applications with relevant documentation must be supplied within one week from the end of the appropriate semester for which consideration is sought.

2. Submission

- (1) The form, with supporting documentation must be submitted to the Faculty of Education and Social Work Office where its submission will be recorded, and the form notarised/stamped.
- (2) A copy of the notarised/stamped form and all supporting documentation must be delivered by the student or his or her agent to each unit of study Coordinator or Course Coordinator from whom Special Consideration is sought.

3. Consideration

- (1) A judgement on any application must be made by two or more academic staff members. In the Faculty of Education and Social Work; this will normally be the Course Coordinator and a unit of study Coordinator.
 - (a) Where the Special Consideration application concerns a student's progress in a Course as a whole, the Course Coordinator will have responsibility for the following process.
 - (b) Where the application is directed towards a particular unit of study, the unit of study Coordinator will be responsible for the following process:
 - (i) convening the meeting to consider applications for Special Consideration, normally within two weeks of the application being received by the Coordinator;
 - (ii) documenting accurately the process and decisions by which a judgement is made on the application;
 - (iii) reporting the outcome to the applicant in writing (this may occur by email);
 - (iv) implementing the judgement.
 - (v) passing the file on to the Faculty Office for storage, being retained for at least one year following the final act of implementing the judgement;
 - (vi) meeting any reporting request concerning Special Consideration applications from the Dean or Associate Deans as required.

- (2) The two (or more) staff members are responsible for familiarising themselves with Faculty and Academic Board policy on Special Consideration, and in particular:
 - (a) making informed and fair judgements;
 - (b) respecting the privacy of any applicant.

4. Possible outcomes

- (1) Applications will not be accepted if they fail to meet Academic Board policy relating to the "seriousness" of the reasons for application. Nor may they be accepted if a student's needs are considered to be more appropriately met by standard requests for re-submission of assignments, extensions or make-up examinations.
- (2) The only exceptions to this rule are where an application for Special Consideration is made on the grounds applying specifically to the Faculty of Education and Social Work. See 1. above.
- (3) Where applications do meet the "seriousness" criterion:
 - (a) in cases where the ability of an applicant to pass a unit of study is in doubt, the allocation of additional marks may not be used to assist an applicant;
 - (b) consideration may be given through the following among other means: variation of attendance requirements, extensions for the submission of required work, the substitution of assignments for missed work, the granting of a make-up exam or the substitution of a new assignment for failed work. (Very often these remedies will require the submission of "incomplete" assessments at the conclusion of a unit until such time as the requirements of the Special Consideration resolution are met.)
 - (c) assignments or examinations which students are normally required to complete in a unit of study in order to meet assessment requirements may not simply be removed as a result of the acceptance of an application. Arrangements must be made for their completion (as above), or equivalent new assessment tasks set;
 - (d) in no case may the acceptance of a Special Consideration application simply lead to the gratuitous granting of additional marks, either for specific assessment tasks or to vary the final mark and grade in a unit of study (but see also policy on aegrotat results).
- (4) Normally where an application for Special Consideration has been accepted, the course of action required to finalise a result in a unit of study, or to secure continued progress in a Course should have occurred by the end of the first week in any succeeding semester, but in all circumstances not longer than six months following the acceptance of an application for Special Consideration.
- (5) In some cases, the Faculty's recognition of the seriousness of the misadventure or illness suffered by a student may not necessarily lead to any remedy if the work missed has been too great. Re-enrolment in a unit of study in the next available semester may be the only possible course of action. This will certainly be the case if six weeks or more of lectures have been missed. In some circumstances it will be in the power of the Faculty to recommend the withdrawal of a HECS charge if the misadventure or illness occurs after an HECS census date.
- (6) Where a student wishes to contest the determination of an application for Special Consideration the Student Appeals process is available. The process is outlined at the following website: <http://policy.rms.usyd.edu.au/0000062.pdf>.
- (7) In any case an appeal is initially made to the appropriate course coordinator who shall be responsible for advising the student of the process involved with appeals.

2. Leave of Absence

- (1) In the Faculty of Education and Social Work, students may apply to their Course Coordinator for Leave of Absence.
- (2) An application form, including guidelines for its preparation, will be available from the Faculty Office or may be downloaded from the website of the Faculty of Education and Social Work.
- (3) Such Leave of Absence for limited periods may be granted to students with significant, usually international, national or state cultural or sporting commitments. Documentation from a relevant international, national or state, cultural or sporting organisation outlining the commitments of the student will be required before an application for leave is considered.

8. Degree regulations and policies

- (4) Where Leave of Absence is granted, the Course Coordinator will provide the student with a letter outlining the reason and period of leave.
- (5) Where such leave is granted, all unit of study Coordinators within the relevant Course are required to adjust the timing of assessment tasks and make any other concessions necessary. Such concessions will conform to those allowed in the granting of Special Consideration.
- (6) For other units of study within the Faculty of Education and Social Work, documentary evidence of leave of absence having been granted with its supporting documentation will provide significant supporting argument for applications for Extensions or Special Consideration.

3. Attendance

- (1) The Faculty of Education and Social Work requires attendance of at least 90 per cent of all workshops/seminars/tutorials.
- (2) In some units of study the attendance requirement may vary from the general requirement. (For example, 100 per cent attendance may be required for mandated training in child protection or for certain kinds of field-work.) Any variation from the general Faculty requirements on attendance will be made explicit in the appropriate Course handbook or unit of study outline.
- (3) Where a student is unable to attend at the required rate, excuse may be granted for limited periods on the production of evidence of illness, misadventure or Leave of Absence having been granted. For longer periods, Special Consideration may need to be applied for.
- (4) Where an excuse, Special Consideration or Leave of Absence has been accepted, work missed through lack of attendance must be made up independently and accepted as satisfactory before the unit of study Coordinator may recommend a final mark and grade.
- (5) Where no excuse, Special Consideration or Leave of Absence application has been accepted or granted, failure to meet attendance requirements will result in unit of study failure. The grade AF (Absent Fail) will be submitted.

Policy regarding assessment

1. Submission of assignments

- (1) The Faculty of Education and Social Work requires assignments to be handed in by the due date, unless an extension of time has been granted (see policy on Extensions).
- (2) All submitted assignments are required to include the cover-sheet provided by the Faculty of Education and Social Work. This cover sheet requires a commitment to the University's policy on academic honesty. The cover-sheet is available from the Faculty Office or may be downloaded from the Faculty website.
- (3) The time by which an assignment shall be handed in on any due date is 5pm unless otherwise notified.
- (4) Always submit an assignment personally to the appropriate lecturer unless advised otherwise. Do not put it under a door or leave it on a desk. In some cases assignments are required to be delivered to a box, usually located in the foyer of the Education Building.
- (5) If granted permission by the unit of study Coordinator to do so, you may post an assignment to the appropriate lecturer. The post mark on the envelope must be on or before the due date. In most cases such date-marking is only available by registering the mail at a post office.
- (6) If granted permission to do so by the unit of study Coordinator, you may deliver your assignment electronically, also on or before the due date. (You must still meet the requirement of signifying that submitted work is your own.)
- (7) Always keep a copy of your assignment in case of accidental loss or the need for resubmission.

2. Late submission of assignments

- (1) In units of study where assignments are required to be submitted by a certain date, and where no extension has been granted, the following penalties shall apply. The penalty rate shall also apply if an assignment is late following the expiry of any extension granted.
- (2) Interpretation
 - (a) The word "day" means "working day", that is not including weekends or public holidays.

- (b) 1 day late means up to and including the 24 hours following the due time of submission, similarly 2 days late means between one day and up to a further 24 hours late and so on.

Days Late	Penalty
1 day late	5%
2 days late	10%
3 days late	15%
4 days late	20%
5 days late	25%
6 or more days late	no marks

- (3) The base mark from which the percentage will be calculated is the maximum mark for the assignment. (So if a student gets 25/50, but is 2 days late, 10 per cent of 50 is 5, and the final mark will be 20/50.)
- (4) Where an assignment is a compulsory task it may be in a student's interest to submit the assignment even if 6 or more days late to meet unit of study requirements, thereby avoiding automatic failure in a unit of study. In some units of study all assessment tasks must be passed to pass the unit. In that case, if submission of an assignment is 6 or more days late, the consequence will be failure in the unit of study.

3. Extensions

- (1) An extension may be sought by a student before the due date for the submission of an assignment (in most cases this will be before 5 pm on the due date unless otherwise notified).
- (2) The granting of an extension is a preferable means of dealing with an assessment task due date difficulty which might otherwise lead to a request for Special Consideration.
- (3) Students must use the "Request for extension" form available from the Faculty Office, or down-loaded from the Faculty website.
- (4) Students must not consider that they have been granted an extension until they have had the signed section of the "Request for extension" form returned to them, which also outlines the period of the extension.
- (5) Each unit of study outline or Course handbook will normally identify the person or persons from whom an extension may be sought. Otherwise it will be the unit of study Coordinator.
- (6) Extensions will normally be granted parsimoniously. They will be granted in terms of working days (not including weekends or public holidays), and rarely extend beyond 7 working days.
- (7) Grounds for the granting of an extension need to be substantial. Normally they would require documented evidence of illness or misadventure.
- (8) Where assignment due dates have been advertised well in advance (more than two weeks), the pressures arising from submissions of other academic work in a restricted time-period will not constitute a valid reason for the granting of an extension.

4. Resubmission of assignments and reassessment

- (1) The opportunity to resubmit failed assignments or equivalent assessment tasks is subject to the policy of specific Courses and in some cases, units of study. Such opportunities are outlined in Course handbooks or unit of study outlines.
- (2) Where such opportunities are not outlined, they are not normally available except in the following circumstance:
 - (a) If an assignment is clearly unsatisfactory only because the terms of the assignment have been misunderstood, the unit of study Coordinator concerned may allow the assignment to be resubmitted. A resubmitted assignment is eligible for a Pass mark (51 per cent) only. Where it is unsatisfactory a second time the second mark (less than 50 per cent) will be recorded. No assignment may be resubmitted more than once.
- (3) Any resubmission of assignment or reassessment task should conform to the following guidelines:
 - (a) allow sufficient time for further instruction and/or learning to have occurred;
 - (b) test the same content/skills as the first assessment task.

- (4) When an assignment is to be re-submitted after the date of return for the work of other students on the same assignment, it is recommended that the assignment topic be altered, though allowing for the testing of the same content/skills as above.
- (5) In some cases the outcome of an application for Special Consideration may also suggest the resubmission of assignments or reassessment.

5. Examinations and make-up examinations

- (1) Where a student cannot attend a scheduled examination for a good and serious reason, he or she may apply to a unit of study Coordinator for an alternative, make-up examination.
- (2) If the application is agreed to, the unit of study Coordinator shall designate an alternative time and place for examination and provide a new examination paper where appropriate.
- (3) If such application for make-up examination is not granted, the student may apply for Special Consideration given serious illness or misadventure as outlined elsewhere and in Academic Board policy (reproduced in the Results Processing Manual for Examiners).

6. Marking and grading

- (1) Where marks and grade constitute a summative assessment in any unit of study in the BEd or BSW, the following table is used:

Marks	Grade
85-100	High Distinction
75-84	Distinction
65-74	Credit
50-64	Pass
0-49	Fail

- (2) Where the meeting of criteria (satisfactory/not satisfactory) is the means of assessment in any unit of study the following grades are awarded:

Criteria	Grade
R	Satisfied requirements
F	Fail

- (3) In the Faculty of Education and Social Work all written assignments or tests which are failed are to be monitored by the unit of study Coordinator.
- (4) In some cases, a second marking of the assignment may occur on the initiative of the Coordinator.
- (5) A student shall also have the right to request and receive a second marking of a written assignment where failure has occurred.
- (6) In both cases of second marking the student will be given the benefit of the doubt by the recording of the higher mark from the two markings.
- (7) The process must be documented, and documentation retained for 6 months by the unit of study Coordinator.
- (8) In some cases where a written assignment mark is awarded 50 per cent or more, a student may contest the mark given. In such a case, the following shall apply:
 - (a) All students shall have the right to request and receive a second marking of an assessment task
 - (b) Such a right is conditional: the decision of the second marker will be final, and the student will understand the risk that the second mark may be lower or higher than the original mark.
- (9) This process will not interfere with decisions made by the Chief Examiner, usually the unit of study Coordinator, in moderating the results pattern of an entire unit of study.
- (10) Each unit of study Coordinator is required to implement a specific strategy of ensuring consistent and fair marking standards and processes. This will vary according to the unit's assessment practices and numbers of students and staff participating in a unit. Such strategies may include:
 - (a) standards setting training;
 - (b) trial marking exercises;

- (c) statistical moderation;
- (d) sample double marking, etc.

- (11) Unit of study outlines or Course Handbooks should also:
 - (a) indicate a time frame for student feedback;
 - (b) publish the process available to students who contest an assessment outcome.
- (12) Students are entitled to useful feed back on their assignments and presentations. This should be speedy where assessment tasks have a formative purpose. Such feedback should always address the relationship between published assessment criteria and the student's work. Feedback might include:
 - (a) written comments on assignments;
 - (b) verbal or written comments on presentations;
 - (c) the use of forms designed to reflect assessment criteria for an assignment.

7. Aegrotat results

- (1) In accordance with Academic Board policy, the relevant Associate Dean (Undergraduate or Graduate) may recommend that a student be awarded an aegrotat result in cases where:
 - (a) because of serious illness or misadventure the student has been unable to sit for examination, and
 - (b) it is unlikely that for the same reasons the student would be able to attempt a further test, and
 - (c) the relevant Associate Dean is satisfied beyond doubt on the basis of work performed throughout the year, that had the candidate been able to sit for the examination, he or she would have achieved the result recommended.
- (2) It is expected that a request for an aegrotat result would be very rare. In most cases an application for Special Consideration under conditions of serious illness or misadventure would be the appropriate course of action.

8. Plagiarism

Undergraduates are notified that in 2005 the University adopted new policy regarding academic honesty and plagiarism. Students are referred to the website of the University and are asked to search the policy titled:

Student Plagiarism: Course Work Policy and Procedure
<http://www.usyd.edu.au/senate/policies/Plagiarism.pdf>

9. Style guide for Education and Social Work assignments

- (1) The Faculty of Education and Social Work requires that students use the APA (American Psychological Association) style guide in its 5th edition unless another guide is specifically authorised in a unit of study outline.
- (2) A full guide to the use of APA is available in the Faculty publication "Information for Students" also known as "The Little Blue Book". This booklet is made available to all first year students. If a student does not have access to it, it is available on the Faculty website under current student policies.

9. Postgraduate information

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

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.

Master of Teaching

Students who have completed a first degree in, say, Arts, Economics or Science, and wish to undertake teacher training in either Primary or Secondary school, 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.

For further information about this course please refer to the MTeach website at mteach.edfac.usyd.edu.au.

For more information contact:

Kelisha Lyndon
Education Building
Phone: +61 2 9351 7049
Fax: +612 93514235
Email: k.lyndon@edfac.usyd.edu.au

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 requires completion of original research under supervision, and a thesis of 40,000 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.

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. They include:

- Coach Education (restricted entry criteria)
- Educational Psychology
- English and Literacies in Education
- Educational Management and Leadership
- Health Education
- Higher Education (restricted entry criteria)
- Human Movement
- Information Technology in Education
- International Education
- Research Methodology
- Special Education
- TESOL/Languages
- Teaching and Curriculum Studies

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 postgraduate research degree. The MEd (Research) will allow students to develop and demonstrate their research capacity within the Masters degree through thesis only or through a thesis combined with two postgraduate units of study.

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 in-

vestigation 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.

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 further information on these degrees, please contact the Administrative Officer in the Graduate Division Office.

For more information contact:

Maryke Sutton
Room 307 Education Building
Phone: +61 2 9351 4605
Fax: +612 93515027
Email: gradinfo@edfac.usyd.edu.au

University of Sydney (Coursework) Rule 2000 as amended)

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Approved by: Senate on 4 December 2000

Date of effect: 1 January 2001

Latest amendment approved by: Senate on 3 December 2001

Date of effect: 1 January 2002

Preliminary

Rules relating to Coursework Award Courses

Division 1 Award course requirements, credit points and assessment

Division 2 Enrolment

Division 3 Credit, cross-institutional study and their upper limits

Division 4 Progression

Division 5 Discontinuation of enrolment and suspension of candidature

Division 6 Unsatisfactory progress and exclusion

Division 7 Exceptional circumstances

Division 8 Award of degrees, diplomas and certificates

Division 9 Transitional provisions

University of Sydney (Coursework) Rule 2000 (as amended)

Preliminary

1. Commencement and purpose of Rule

(1) This Rule is made by the Senate pursuant to section 37(1) of the University of Sydney Act 1989 for the purposes of the University of Sydney By-law 1999.

(2) This Rule comes into force on 1 January 2001.

(3) This Rule governs all coursework award courses in the University. It is to be read in conjunction with the University of Sydney (Amendment Act) Rule 1999 and the Resolutions of the Senate and the faculty resolutions relating to each award course in that faculty.

Rules relating to coursework award courses

1. Definitions

In this Rule:

award course means a formally approved program of study which can lead to an academic award granted by the University.

coursework means 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, supervised research, other forms of instruction and learning normally will be dominant. All undergraduate award courses are coursework award courses.

credit means advanced standing based on previous attainment in another award course at the University or at another institution. The advanced standing is expressed as credit points granted towards the award course. Credit may be granted as specific credit or non-specific credit.

specific credit means the recognition of previously completed studies as directly equivalent to units of study;

non-specific credit means 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; and

credit points means a measure of value indicating the contribution each unit of study provides towards meeting award course completion requirements stated as a total credit point value.

dean means the dean of a faculty or the director or principal of an academic college or the chairperson of a board of studies.

degree means a degree at the level of bachelor or master for the purpose of this Rule.

embedded courses/programs means award courses in the graduate certificate/graduate diploma/master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards.

faculty means a faculty, college board, a board of studies or the Australian Graduate School of Management Limited as established in each case by its constitution and in these Rules refers to the faculty or faculties responsible for the award course concerned.

major means a defined program of study, generally comprising specified units of study from later stages of the award course.

minor means a defined program of study, generally comprising units of study from later stages of the award course and requiring a smaller number of credit points than a major.

postgraduate award course means an award course leading to the award of a graduate certificate, graduate diploma, degree of master or a doctorate. Normally, a postgraduate award course requires the prior completion of a relevant undergraduate degree or diploma.

research award course means an award course in which students undertake and report systematic, creative work in order to increase the stock of knowledge. The research award courses offered by the University are: higher doctorate, Doctor of Philosophy, doctorates by research and advanced coursework, and certain degrees of master designated as research degrees. The systematic, creative component of a research award course must comprise at least 66 per cent of the overall award course requirements.

stream means a defined program of study within an award course, which requires the completion of a program of study specified by the award course rules for the particular stream, in addition to the core program specified by award course rules for the award course.

student means a person enrolled as a candidate for a course.

testamur means a certificate of award provided to a graduate, usually at a graduation ceremony.

transcript or academic transcript means a printed statement setting out a student's academic record at the University.

unit of study means the smallest stand-alone component of a student's award course that is recordable on a student's transcript. Units of study have an integer credit point value, normally in the range 3-24.

undergraduate award course means an award course leading to the award of an associate diploma, diploma, advanced diploma or degree of bachelor.

2. Authorities and responsibilities

(1) Authorities and responsibilities for the functions set out in this Rule are also defined in the document *Academic Delegations of Authority*. The latter document sets out the mechanisms by which a person who has delegated authority may appoint an agent to perform a particular function.

(2) The procedures for consideration of, and deadlines for submission of, proposals for new and amended award courses will be determined by the Academic Board.

Division 1: Award course requirements, credit points and assessment

3. Award course requirements

(1) To qualify for the award of a degree, diploma or certificate, a student must:

(a) complete the award course requirements specified by the Senate for the award of the degree, diploma or certificate concerned;

(b) complete any other award course requirements specified by the Academic Board on the recommendation of the faculty and published in the faculty resolutions relating to the award course;

(c) complete any other award course requirements specified by the faculty in accordance with its delegated authority

and published in the faculty resolutions relating to the award course; and

- (d) satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

4. Units of study and credit points

- (1)
- (a) A unit of study comprises the forms of teaching and learning approved by a faculty. Where the unit of study is being provided specifically for an award course which is the responsibility of another faculty, that faculty must also provide approval.
- (b) Any faculty considering the inclusion of a unit of study in the tables of units available for an award course for which it is responsible may review the forms of teaching and learning of that unit, may consult with the approving faculty about aspects of that unit and may specify additional conditions with respect to inclusion of that unit of study.
- (2) A student completes a unit of study if the student:
- (a) participates in the learning experiences provided for the unit of study;
- (b) meets the standards required by the University for academic honesty;
- (c) meets all examination, assessment and attendance requirements for the unit of study; and
- (d) passes the required assessments for the unit of study.
- (3) Each unit of study is assigned a specified number of credit points by the faculty responsible for the unit of study.
- (4) The total number of credit points required for completion of an award course will be as specified in the Senate resolutions relating to the award course.
- (5) The total number of credit points required for completion of award courses in an approved combined award course will be specified in the Senate or faculty resolutions relating to the award course.
- (6) A student may, under special circumstances, and in accordance with faculty resolutions, be permitted by the relevant dean to undertake a unit or units of study other than those specified in the faculty resolutions relating to the award course and have that unit or those units of study counted towards fulfilling the requirements of the award course in which the student is enrolled.

5. Unit of study assessment

- (1) A student who completes a unit of study will normally be awarded grades of high distinction, distinction, credit or pass, in accordance with policies established by the Academic Board. The grades high distinction, distinction and credit indicate work of a standard higher than that required for a pass.
- (2) A student who completes a unit of study for which only a pass/fail result is available will be recorded as having satisfied requirements.
- (3) In determining the results of a student in any unit of study, the whole of the student's work in the unit of study may be taken into account.
- (4) Examination and assessment in the University are conducted in accordance with the policies and directions of the Academic Board.

6. Attendance

- (1) A faculty has authority to specify the attendance requirements for courses or units of study in that faculty. A faculty must take into account any University policies concerning modes of attendance, equity and disabled access.
- (2) A faculty has authority to specify the circumstances under which a student who does not satisfy attendance requirements may be deemed not to have completed a unit of study or an award course.

Division 2: Enrolment

7. Enrolment restrictions

- (1) A student who has completed a unit of study towards the requirements of an award course may not re-enrol in that unit of study, except as permitted by faculty resolution or with the written permission of the dean. A student permitted to re-enrol may receive a higher or lower grade, but not additional credit points.

- (2) Except as provided in subsection (1), a student may not enrol in any unit of study which overlaps substantially in content with a unit that has already been completed or for which credit or exemption has been granted towards the award course requirements.
- (3) A student may not enrol in units of study additional to award course requirements without first obtaining permission from the relevant dean.
- (4) Except as prescribed in faculty resolutions or with the permission of the relevant dean:
- (a) a student enrolled in an undergraduate course may not enrol in units of study with a total value of more than 32 credit points in any one semester, or 16 credit points in the summer session; and
- (b) a student enrolled in a postgraduate award course may not enrol in units of study with a total value of more than 24 credit points in any one semester, or 12 credit points in the summer session.

Division 3: Credit, cross-institutional study and their upper limits

8. Credit for previous studies

- (1) Students may be granted credit on the basis of previous studies.
- (2) Notwithstanding any credit granted on the basis of work completed or prior learning in another award course at the University of Sydney or in another institution, in order to qualify for an award a student must:
- (a) for undergraduate award courses, complete a minimum of the equivalent of two full-time semesters of the award course at the University; and
- (b) for postgraduate award courses, complete at least 50 per cent of the requirements prescribed for the award course at the University.

These requirements may be varied where the work was completed as part of an embedded program at the University or as part of an award course approved by the University in an approved conjoint venture with another institution.

- (3) The credit granted on the basis of work completed at an institution other than a university normally should not exceed one third of the overall award course requirements.
- (4) A faculty has authority to establish embedded academic sequences in closely related graduate certificate, graduate diploma and master's degree award courses. In such embedded sequences, a student may be granted credit for all or some of the units of study completed in one award of the sequence towards any other award in the sequence, irrespective of whether or not the award has been conferred.
- (5) In an award course offered as part of an approved conjoint venture the provisions for the granting of credit are prescribed in the Resolutions of the Senate and the faculty resolutions relating to that award course.

9. Cross-institutional study

- (1) The relevant dean may permit a student to complete a unit or units of study at another university or institution and have that unit or those units of study credited to the student's award course.
- (2) The relevant dean has authority to determine any conditions applying to cross-institutional study.

Division 4: Progression

10. Repeating a unit of study

- (1) A student who repeats a unit of study shall, unless granted exemption by the relevant dean:
- (a) participate in the learning experiences provided for the unit of study; and
- (b) meet all examination, assessment and attendance requirements for the unit of study.
- (2) A student who presents for re-assessment in any unit of study is not eligible for any prize or scholarship awarded in connection with that unit of study without the permission of the relevant dean.

11. Time limits

A student must complete all the requirements for an award course within ten calendar years or any lesser period if specified by resolution of the Senate or the faculty.

Division 5: Discontinuation of enrolment and suspension of candidature**12. Discontinuation of enrolment**

- (1) A student who wishes to discontinue enrolment in an award course or a unit of study must apply to the relevant dean and will be presumed to have discontinued enrolment from the date of that application, unless evidence is produced showing:
 - (a) that the discontinuation occurred at an earlier date; and
 - (b) that there was good reason why the application could not be made at the earlier time.
- (2) A student who discontinues enrolment during the first year of enrolment in an award course may not re-enrol in that award course unless:
 - (a) the relevant dean has granted prior permission to re-enrol; or
 - (b) the student is reselected for admission to candidature for that course.
- (3) No student may discontinue enrolment in an award course or unit of study after the end of classes in that award course or unit of study, unless he or she produces evidence that:
 - (a) the discontinuation occurred at an earlier date; and
 - (b) there was good reason why the application could not be made at the earlier time.
- (4) A discontinuation of enrolment may be recorded as "Withdrawn (W)" or "Discontinued Not To Count As Failure (DNF)" where that discontinuation occurs within the time-frames specified by the University and published by the faculty, or where the student meets other conditions as specified by the relevant faculty.

13. Suspension of candidature

- (1) A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course. A student who wishes to suspend candidature must first obtain approval from the relevant dean.
- (2) The candidature of a student who has not re-enrolled and who has not obtained approval from the dean for suspension will be deemed to have lapsed.
- (3) A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the relevant faculty.
- (4) A student who enrolls after suspending candidature shall complete the requirements for the award course under such conditions as determined by the dean.

Division 6: Unsatisfactory progress and exclusion**14. Satisfactory progress**

A faculty has authority to determine what constitutes satisfactory progress for all students enrolled in award courses in that faculty, in accordance with the policies and directions of the Academic Board.

15. Requirement to show good cause

- (1) For the purposes of this Rule, "good cause" means circumstances beyond the reasonable control of a student, which may include serious ill health or misadventure, but does not include demands of employers, pressure of employment or time devoted to non-University activities, unless these are relevant to serious ill health or misadventure. In all cases the onus is on the student to provide the University with satisfactory evidence to establish good cause. The University may take into account relevant aspects of a student's record in other courses or units of study within the University and relevant aspects of academic studies at other institutions provided that the student presents this information to the University.
- (2) The relevant dean may require a student who has not made satisfactory progress to show good cause why he or she should be allowed to re-enrol.
- (3) The dean will permit a student who has shown good cause to re-enrol.

16. Exclusion for failure to show good cause

The dean may, where good cause has not been established:

- (1) exclude the student from the relevant course; or
- (2) permit the student to re-enrol in the relevant award course subject to restrictions on units of study, which may include, but are not restricted to:

- (a) completion of a unit or units of study within a specified time;
- (b) exclusion from a unit or units of study, provided that the dean must first consult the head of the department responsible for the unit or units of study; and
- (c) specification of the earliest date upon which a student may re-enrol in a unit or units of study.

17. Applying for re-admission after exclusion

- (1) A student who has been excluded from an award course or from a unit or units of study may apply to the relevant dean for re-admission to the award course or re-enrolment in the unit or units of study concerned after at least four semesters, and that dean may readmit the student to the award course or permit the student to re-enrol in the unit or units of study concerned.
- (2) With the written approval of the relevant dean, a student who has been excluded may be given credit for any work completed elsewhere in the University or in another university during a period of exclusion.

18. Appeals against exclusion

- (1) In this Rule a reference to the Appeals Committee is a reference to the Senate Student Appeals Committee (Exclusions and Re-admissions).
- (2) (a) (i) A student who has been excluded in accordance with this Rule may appeal to the Appeals Committee.
 - (ii) A student who has applied for re-admission to an award course or re-enrolment in a unit of study after a period of exclusion, and who is refused re-admission or re-enrolment may also apply to the Appeals Committee.
- (b) The Appeals Committee shall comprise:
 - (i) three ex officio members (the Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal);
 - (ii) the Chair and Deputy Chairs of the Academic Board;
 - (iii) two student Fellows; and
 - (iv) up to four other Fellows.
- (c) The Appeals Committee may meet as one or more subcommittees providing that each subcommittee shall include at least one member of each of the categories of:
 - (i) ex officio member;
 - (ii) Chair or Deputy Chair of the Academic Board;
 - (iii) student Fellow; and
 - (iv) other Fellows.
- (d) Three members shall constitute a quorum for a meeting of the Appeals Committee or a subcommittee.
- (e) The Appeals Committee and its subcommittees have authority to hear and determine all such appeals and must report its decision to the Senate annually.
- (f) The Appeals Committee or a subcommittee may uphold or disallow any appeal and, at its discretion, may determine the earliest date within a maximum of four semesters at which a student who has been excluded shall be permitted to apply to re-enrol.
- (g) No appeal shall be determined without granting the student the opportunity to appear in person before the Appeals Committee or subcommittee considering the appeal. A student so appearing may be accompanied by a friend or adviser.
- (h) The Appeals Committee or subcommittee may hear the relevant dean but that dean may only be present at those stages at which the student is permitted to be present. Similarly, the dean is entitled to be present when the Committee or subcommittee hears the student.
- (i) If, due notice having been given, a student fails to attend a meeting of the Appeals Committee or subcommittee scheduled to consider that student's appeal, the Appeals Committee or subcommittee, at its discretion, may defer consideration of the appeal or may proceed to determine the appeal.
- (j) A student who has been excluded in accordance with these resolutions and has lodged a timely appeal against that exclusion may re-enrol pending determination of that appeal if it has not been determined by the commencement of classes in the next appropriate semester.

Division 7: Exceptional circumstances

19. Variation of award course requirements in exceptional circumstances

The relevant dean may vary any requirement for a particular student enrolled in an award course in that faculty where, in the opinion of the dean, exceptional circumstances exist.

Division 8: Award of degrees, diplomas and certificates

20. Classes of award

- (1) Undergraduate diplomas may be awarded in five grades - pass, pass with merit, pass with distinction, pass with high distinction or honours.
- (2) Degrees of bachelor may be awarded in two grades - pass or honours.
- (3) Graduate diplomas and graduate certificates may be awarded in one grade only - pass.
- (4) Degrees of master by coursework may be awarded three grades - pass, pass with merit or honours.

21. Award of the degree of bachelor with honours

- (1) The award of honours is reserved to indicate special proficiency. The basis on which a student may qualify for the award of honours in a particular award course is specified in the faculty resolutions relating to the course.
- (2) Each faculty shall publish the grading systems and criteria for the award of honours in that faculty.
- (3) Classes which may be used for the award of honours are:
First Class
Second Class/Division 1
Second Class/Division 2
Third Class
- (4) With respect to award courses which include an additional honours year:
 - (a) a student may not graduate with the pass degree while enrolled in the honours year;
 - (b) on the recommendation of the head of the department concerned, a dean may permit a student who has been awarded the pass degree at a recognised tertiary institution to enrol in the honours year in that faculty;
 - (c) faculties may prescribe the conditions under which a student may enrol part-time in the honours year;
 - (d) a student who fails or discontinues the honours year may not re-enrol in it, except with the approval of the dean.

22. University Medal

An honours bachelor's degree student with an outstanding academic record throughout the award course may be eligible for the award of a University Medal, in accordance with Academic Board policy and the requirements of the faculty resolutions relating to the award course concerned.

23. Award of the degree of master with honours or merit

The award of honours or pass with merit is reserved to indicate special proficiency or particular pathways to completion. The basis on which a student may qualify for the award of honours or the award with merit in a particular degree is specified in the Faculty Resolutions relating to that degree.

24. Transcripts and testamurs

- (1) A student who has completed an award course or a unit of study at the University will receive an academic transcript upon application and payment of any charges required.
- (2) Testamurs may indicate streams or majors or both as specified in the relevant faculty resolutions.

Division 9: Transitional provisions

25. Application of this Rule during transition

This Rule applies to all candidates for degrees, diplomas and certificates who commence candidature after 1 January 2001. Candidates who commenced candidature prior to this date may choose to proceed in accordance with the resolutions of the Senate in force at the time they enrolled, except that the faculty may determine specific conditions for any student who has re-enrolled in an award course after a period of suspension.

General University information

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Accommodation Service

The Accommodation Service helps students find off-campus accommodation. The service maintains an extensive database of accommodation close to the Camperdown and Darlington Campus or within easy access via public transport. Currently enrolled students can access the database online through the MyUni student portal (<http://myuni.usyd.edu.au>), or the accommodation website via your MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv>).

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 29351 3312
Fax: +612 93518262
Email: accomm@stuserv.usyd.edu.au
Web: www.usyd.edu.au/accomm

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 a permanent resident but have qualifications from a non-Australian institution phone +61 2 9351 4118 for more information. For enquiries regarding special admissions (including mature-age entry) phone +61 29351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office (see International Student Centre entry).

Student Centre
Ground Floor, Carlaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
Fax: +612 93514869
Email: admissions@records.usyd.edu.au
Web: www.usyd.edu.au/su/studentcentre

Applying for a course

Local applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment "local 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 into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC). The deadline for application is the last working day of September in the year before enrolment. Go to the UAC website (<http://www.uac.edu.au>) for more information.

Note that some faculties, such as Pharmacy, the Sydney Conservatorium of Music and Sydney College of the Arts, have additional application procedures.

Local applicants for postgraduate courses and programs of study

For the purpose of admission and enrolment "local 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/su/studentcentre/applications/applications.html.

Please note that some faculties use their own specially tailored application forms for admission into their courses. Please contact 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) (see International Student Centre entry). All the information international applicants need, including application forms, is available from the IO website.

Assessment

For assessment matters refer to the relevant department or school.

Careers Centre

The Careers Centre will help you with careers preparation and graduate recruitment.

Careers Centre
Ground Floor, Mackie Building KOI
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3481
Fax: +612 93515134
Email: info@careers.usyd.edu.au
Web: www.careers.usyd.edu.au

Casual Employment Service

The Casual Employment Service helps students find casual and part-time work during their studies and during University vacations. The service maintains a database of casual employment vacancies. Currently enrolled students can access the database online through the MyUni student portal, or the casual employment website via your MyUni student portal, or the Services for Students website (<http://www.usyd.edu.au/stuserv>).

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 8714
Fax: +61 2 9351 8717
Email: ces@stuserv.usyd.edu.au
Web: www.usyd.edu.au/cas_emp

Centre for Continuing Education

The Centre for Continuing Education offers a wide range of short courses for special interest, university preparation and professional development.

Centre for Continuing Education
Cnr Missenden Road and Campbell Street
Sydney University Village
Newtown NSW 2042

Postal address:
Locked Bag 20
Glebe NSW 2037

Ph: +612 9036 4789
Fax: +61 2 9036 4799
Email: info@cce.usyd.edu.au
Web: www.cce.usyd.edu.au

Subject areas include: history and culture, creative arts, social sciences, languages, IT, business and overseas study tours. Courses are open to everyone.

Centre for English Teaching (CET)

The Centre for English Teaching (CET) offers English language and academic study skills programs to students from overseas and Australian residents from non-English speaking backgrounds who need to develop their English language skills to meet academic entry requirements.

Mallett Street Campus M02

Phone: +61 2 9351 0760
Fax: +612 93510710
Email: info@cet.usyd.edu.au
Web: www.usyd.edu.au/cet

Child care

Contact the Child Care Information Officer for information about child care for students and staff of the University who are parents. For details of centres, vacation and occasional care see the child care website via your MyUni student portal or the Services for Students website (<http://www.usyd.edu.au/stuserv>)

Child Care Information Officer
Level 7, Education Building A35

Phone: +61 2 9351 5667
Fax: +612 93517055
Email: childc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/childcare

Client Services, 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 9351 6000, through the IT Assist website (www.itassist.usyd.edu.au) or by visiting the staff of the University Access Labs.

The access labs on the Camperdown and Darlington campus are located in:

- Fisher Library (Level 2);
- Carlaw Building (Room 201);
- Education Building (Room 232);
- Christopher Brennan Building (Room 232);
- Engineering Link Building (Room 222); and
- Pharmacy and Bank Building (Room 510).

Other labs are available at the Law, Westmead Hospital and Cumberland campuses.

The labs provide students free access to computers including office productivity and desktop publishing software.

Services available on a fee for service basis include Internet access, printing facilities and the opportunity 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);
- access to the Internet from home or residential colleges (www.itassist.usyd.edu.au/services.html);

- student facilities via the MyUni student portal (<http://my-uni.usyd.edu.au>), including exam results, enrolment variations and timetabling; and
- free courses in basic computing (such as MS Office; basic html and excel) that are run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Client Services, Helpdesk
University Computer Centre, H08
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 6000
Fax: +612 93516004
Email: support@usyd.edu.au
Web: www.itassist.usyd.edu.au

The Co-op Bookshop

The Co-op Bookshop is a one-stop bookshop for:

- textbooks;
- general books;
- course notes;
- reference books;
- DVDs;
- flash drives; and
- software at academic prices.

Lifetime membership costs \$20.00 and gives a ten per cent discount on purchases (conditions apply).

Sports and Aquatic Centre Building G09

Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Web: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals through professional counselling. Counselling is free and confidential. The service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. The service runs a program of workshops during each semester. For details of workshops, activities and online resources provided by the service see the Counselling Service website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Camperdown and Darlington
Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2228
Fax: +612 93517055
Email: counsell@mail.usyd.edu.au
Web: www.usyd.edu.au/counsel

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: +612 93519635
Email: CS_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/counsel

Disability Services

Disability Services is the principal point of contact for advice on assistance available for students with disabilities. The service works closely with academic and administrative staff to ensure that students receive reasonable accommodations in their areas of study. Assistance available includes the provision of note taking, interpreters and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate. For details on registering with the service and online resources see the Disability Services website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Camperdown and Darlington campuses

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 7040
Fax: +612 93513320
TTY: +612 93513412
Email: disserv@stuserv.usyd.edu.au
Web: www.usyd.edu.au/disability

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: +612 93519635
Email: DS_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/disability

Enrolment

Students entering first year

Details of enrolment procedures will be sent to you with your UAC offer of enrolment. Enrolment takes place at a specific time and date, usually during the last week of January, depending on your surname and the faculty in which you are enrolling. You must attend the University in person or else nominate somebody in writing to act on your behalf. On enrolment day you pay the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies. (These are currently subject to Parliamentary Review and may be voluntary in 2006.) You also nominate your preferred payment option, either "up front" or deferred, for your Higher Contribution Scheme (HECS) liability. You will also choose your first-year units of study, so it's important to consult the appropriate faculty handbook before enrolling.

All other students

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for 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 the Manager, Environmental Strategies phone +61 2 93512063, email: janet.broadly@usyd.edu.au, or go to www.facilities.usyd.edu.au/projects/environ/about.shtml#whereyou can find out what the University is doing and how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Examinations

The Examinations and Exclusions Office looks after the majority of examination arrangements and student progression. Some faculties,

such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Examinations and Exclusions Office

Student Centre
Level 1, Carlaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +612 93517330
Email: exams.office@exams.usyd.edu.au

Fees

The Fees Office provides information on how to pay fees, where to pay fees and if payments have been received. The office also has information on obtaining a refund for fee payments.

Fees Office

Margaret Telfer Building K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +612 93514202

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; buying textbooks and course equipment. Loans are interest free and are repayable usually 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 your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2416
Fax: +612 93517055
Email: fao@stuserv.usyd.edu.au
Web: 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.

(Note that 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 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 (FOI) activities on a regular basis. The two reports produced are the *Statement of Affairs* and the *Summary of Affairs*. 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.

Further information and copies of the current reports may be found at www.usyd.edu.au/arms/foi

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3199, +61 2 9351 4009
Protocol: +61 2 93514612
Fax: +612 93515072

(Grievances) 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 (see the University Calendar (<http://www.usyd.edu.au/about/publication/pub/calendar.shtml>)) 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, at the SRC, and on the University's policy online website (<http://www.usyd.edu.au/policy>) (click on "Study at the University", then click on "Appeals" - see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Students' Representative Council
Level 1, Wentworth Building G01
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9660 5222

HECS and Fees Office

Student Centre
Ground Floor, Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5659, +61 2 9351 5062, +61 2 9351 2086
Fax: +612 93515081

International Student Centre

The International Student Centre consists of the International Office and the Study Abroad and Exchange Office. The IO provides assistance with application, admission and enrolment procedures and administers scholarships for international students. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Student Centre

Services Building G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +612 93514013
Email: info@io.usyd.edu.au
Web: www.usyd.edu.au/international

Study Abroad and Exchange Unit

Study Abroad
Phone: +61 2 9351 3699
Fax: +612 93512795
Email: studyabroad@io.usyd.edu.au
Web: www.usyd.edu.au/fstudent/studyabroad/index.shtml

Exchange

Phone: +61 2 9351 3699
Fax: +612 93512795
Email: exchange@io.usyd.edu.au
Web: www.usyd.edu.au/fstudent/studyabroad/partners.shtml

International Student Services Unit

The International Student Services Unit assists 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 a 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 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

Ground Floor, Services Building G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +612 93516818
Email: info@issu.usyd.edu.au
Web: 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: +612 93519635
Email: ISSU_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/issu

Koori Centre and Yooroang Garang

The Koori Centre provides programs, services and facilities to encourage and support the involvement of 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 Aboriginal Studies in various mainstream courses. In addition the Centre provides tutorial assistance, and student facilities such as: computer lab, Indigenous research library and study rooms.

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 University's Cumberland Campus. Yooroang Garang provides advice, assistance 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: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Web: 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
Web: 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 throughout their undergraduate and postgraduate studies. 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 special program for international students, faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities. For details of programs, activities and online resources provided by the centre see the website via your MyUni student portal or the Services for Students website www.usyd.edu.au/stuserv.

Camperdown and Darlington campuses

Level 7, Education Building A3 5
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3853
Fax: +61 2 9351 4865
Email: lc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/lc

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: LC_Cumberland@fhs.usyd.edu.au
Web: www.usyd.edu.au/lc

Library

The University of Sydney Library, the largest academic library in the Southern Hemisphere, is a network of 18 libraries located on nine campuses. The Library website (<http://www.library.usyd.edu.au>) provides access to services and resources, anywhere at anytime. The

locations, opening hours and subject specialities of the libraries are listed on the website.

Over five million items are available via the Library catalogue, including more than 52,000 electronic journals and 270,000 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 (<http://opac.library.usyd.edu.au/screens/reserve.html>).

Library staff are always available to support students in their studies. "Ask a Librarian" in person, by email, or by using an online chat service (<http://www.library.usyd.edu.au/contacts/index.html>).

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 (<http://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 on the home page (<http://www.library.usyd.edu.au>) 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 (<http://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 2890 (administration), +61 2 9351 7278 (renewals)
Email: loanenq@library.usyd.edu.au (loan enquiries), udd@library.usyd.edu.au (document delivery enquiries)
Web: www.library.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre assists 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 your MyUni student portal 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
Web: www.usyd.edu.au/mlc

Multimedia and Educational Technologies in Arts (META) Resource Centre (Languages and E-Learning)

The centre provides access to lectures, classwork and interactive self-paced learning materials for students of languages other than English (LOTE) and English as a second language (ESL). The library

holds materials in over 90 LOTE languages. The self study room provides interactive computer assisted learning and access to live multilingual satellite television broadcasts. Computer access labs provide Internet, email and word processing access. The centre also provides teaching rooms with state-of-the-art multimedia equipment, language laboratories and video conferencing facilities for Faculty of Arts courses.

Level 2, Brennan Building (opposite Manning House)
The University of Sydney
NSW 2006 Australia

Phone: For language enquiries +612 9351 2371, for all other enquiries +612 93516781
Fax: +61 2 9351 3626
Email: For language related enquiries language.enquiries@arts.usyd.edu.au, for all other enquiries METAResource-Centre@arts.usyd.edu
Web: www.arts.usyd.edu.au/centres/meta

MyUni Student Portal

Launched in July 2004, the MyUni student portal (<http://my-uni.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-in 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 for students in health, counselling, child care, accommodation, employment and wellbeing;
- student administration systems for obtaining exam 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 technology and support services;
- information for international students; and
- campus maps, with descriptions of cultural, sporting and campus facilities.

Part-time, full-time

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)

For postgraduate coursework students part-time or full-time status 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 6-9pm).

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 you should 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.

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:

Tim Robinson: +61 2 9351 4263, or Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for undergraduates

Scholarships Unit
Room 147, Ground Floor, Mackie Building KOI
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2717
Fax: +612 93515134
Email: scholarships@careers.usyd.edu.au
Web: www.usyd.edu.au/scholarships

Student Centre

Ground Floor, Carslaw Building F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3023 (general enquiries)
Academic records: +61 2 9351 4109
Discontinuation of enrolment: +61 2 9351 3023
Handbooks: +61 2 9351 5057
Prizes: +61 2 9351 5060
Fax: +61 2 9351 5081, +61 2 9351 5350 (academic records)
Web: www.usyd.edu.au/su/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. Students are required to provide a passport-sized colour photograph of their head and shoulders for lamination on to this card. Free lamination is provided at a range of sites throughout the University during the January/February enrolment/pre-enrolment period. Cards that are not laminated, or do not include a photograph, will be rejected. New identity cards are required for each year of a student's enrolment.

Student Services

The University provides personal, welfare, administrative and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at university and student services can assist you in managing and handling these more effectively. For details of services and online resources provided see the Student Services website (<http://www.usyd.edu.au/stuserv>).

The Sydney Summer School

Most faculties at the University offer units of study from undergraduate degree programs during summer. There are also some units of study available for postgraduate coursework programs from some faculties. As the University uses its entire quota of Commonwealth supported places in first and second semester, these units are full fee-paying for both local and international students and enrolment is entirely voluntary. However, Summer School units enable students to accelerate their degree progress, make up for a failed unit or fit in a unit which otherwise would not suit their timetables. New students may also gain a head start by completing subjects before they commence their degrees. Units start at various times from late November and run for up to six weeks (followed by an examination week). Notice of the units available is on the Summer School website (<http://www.summer.usyd.edu.au>) and is usually circulated to students with their results notices. A smaller Winter School is also run from the Summer School office. It commences on 3 July and runs for up to three weeks (followed by an examination week). It offers mainly postgraduate and a few undergraduate units of study. Information can be found on the Summer School website (<http://www.summer.usyd.edu.au>).

Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available from the Wednesday of O Week through the MyUni website (<http://myuni.usyd.edu.au>).

The Faculty of Health Sciences, The Sydney College of the Arts, The Sydney Conservatorium of Music and the Faculty of Veterinary Science produce their own timetables for all teaching that they deliver. These timetables are available from the faculties.

University Health Service

The University Health Service provides full general practitioner services and emergency medical care to all members of the University community. Medical centres on the Camperdown and Darlington Campuses offer general practitioners, physiotherapy and some specialist services.

Email: director@unihealth.usyd.edu.au

Web: www.unihealth.usyd.edu.au

University Health Service (Wentworth)

Level 3, Wentworth Building G01

The University of Sydney

NSW 2006 Australia

Phone: +61 2 9351 3484

Fax: +612 93514110

University Health Service (Holme)

Science Rd entry, Holme Building A09

The University of Sydney

NSW 2006 Australia

Phone: +61 2 9351 4095

Fax: +612 93514338

See also the Glossary for administrative information relating to particular terms.

Student organisations

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

Students¹ Representative Council

The Students' Representative Council (SRC) is the organisation which represents undergraduates both within the University and in the wider community. All students enrolling in an undergraduate course automatically become members of the SRC.

Level 1, Wentworth Building G01
The University of Sydney
NSW 2006 Australia

Phone: + 612 9660 5222 (editors, *Honi Soit*/Legal Aid, Student Welfare and Centrelink advice, interest free loans)
Second-hand Bookshop: +61 2 9660 4756
Mallet Street: +61 2 9351 0691
Conservatorium: +61 2 9351 1291
Fax: +61 2 9660 4260
Email: info@src.usyd.edu.au
Web: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an organisation that provides services to and represents the interests of postgraduate students. All postgraduate students at the University of Sydney are members of SUPRA.

Raglan Street Building G10
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3715
Freecall: 1800 249 950
Fax: +612 93516400
Email: supra@mail.usyd.edu.au
Web: www.supra.usyd.edu.au

Sydney University Sport

Sydney University Sport provides opportunities for participation in a range of sporting and recreational activities along with first class facilities.

University Sports and Aquatic Centre G09
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4960
Fax: +612 93514962
Email: admin@susport.usyd.edu.au
Web: www.susport.com

University of Sydney Union

The University of Sydney Union is the main provider of catering facilities, retail services, welfare programs and social and cultural events for the University community on the Camperdown and Darlington campuses and at many of the University's affiliated campuses.

University of Sydney Union
Level 1, Manning House A23
The University of Sydney
NSW 2006 Australia

Phone: 1800 013 201 (switchboard)
Fax: +61 2 9563 6109
Email: info@usu.usyd.edu.au
Web: www.usyunion.com

Abbreviations

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

For a glossary of terms, describing the terminology in use at the University of Sydney, please see the glossary section.

Listed below are the more commonly used acronyms that appear in University documents and publications.

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		C	
AARNet	Australian Academic Research Network	CREO	Centre for Regional Education, Orange
AAUT	Australian Awards for University Teaching	CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
AAM	Annual Average Mark	CRRI	Centre for Rural and Regional Innovation
ABC	Activity Based Costing	CSIRO	Commonwealth Scientific and Industrial Research Organisation
ABSTUDY	Aboriginal Study Assistance Scheme	CST	College of Sciences and Technology
ACER	Australian Council for Educational Research	CULT	Combined Universities Language Test
AGSM	Australian Graduate School of Management	CUTSD	Committee for University Teaching and Staff Development
ANZAAS	Australian and New Zealand Association for the Advancement of Science	D	
APA	Australian Postgraduate Awards	DAC	Data Audit Committee
APAC	Australian Partnership for Advanced Computing	DEST	Commonwealth Department of Education, Science and Training
APAI	Australian Postgraduate Awards (Industry)	DET	NSW Department of Education and Training
APA-IT	Australian Postgraduate Awards in Information Technology	D-IRD	Discovery-Indigenous Researchers Development Program
APDI	Australian Postdoctoral Fellowships Industry	DVC	Deputy Vice-Chancellor
APEC	Asia-Pacific Economic Cooperation	E	
APF	Australian Postdoctoral Fellowship	EB	Enterprise Bargaining
AQF	Australian Qualifications Framework	EFTSU	Equivalent Full-Time Student Unit
ARC	Australian Research Council	EFTSL	Equivalent Full-Time Student Load
ARTS	Automated Results Transfer System	EIP	Evaluations and Investigations Program
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students	ELICOS	English Language Intensive Course of Study
ATN	Australian Technology Network	EMU	Electron Microscope Unit
ATP	Australian Technology Park	ESOS Act	Education Services for Overseas Student Act
ATPL	Australian Technology Park Limited	F	
AUQA	Australian Universities Quality Agency	FFT	Fractional Full-Time (Equivalent Staff)
AusAID	Australian Agency for International Development	FlexSIS	Flexible Student Information System
AUTC	Australian Universities Teaching Committee	FHS	Faculty of Health Sciences
AVCC	Australian Vice-Chancellors Committee	FMO	Facilities Management Office
B		FOS	Field of Study
BAA	Backing Australia's Ability	FTE	Full-Time Equivalent (Staff)
BAC	Budget Advisory Committee	FRM	Faculty of Rural Management
BITLab	Business Intelligence Lab	G	
BLO	Business Liaison Office	GATS	General Agreement on Trade in Services
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme	GCCA	Graduate Careers Council of Australia
C		GDS	Graduate Destination Survey
CAF	Cost Adjustment Factor	GPOF	General Purpose Operating Funds
CAUT	Committee for Advancement of University Teaching	GSA	Graduate Skills Assessment
CDP	Capital Development Program	GSG	Graduate School of Government
CEP	Country Education Profile	GWSLN	Greater Western Sydney Learning Network
CEQ	Course Experience Questionnaire	H	
CFO	Chief Financial Officer	HDR	Higher Degree Research
CHASS	College of Humanities and Social Sciences	HECS	Higher Education Contribution Scheme
CHESSN	Commonwealth Higher Education System Student Number	HEEP	Higher Education Equity Program
CHS	College of Health Sciences	HEFA	Higher Education Funding Act 1988
CIO	Chief Information Officer	HEIMS	Higher Education Information Management System
COE	Confirmation of Enrolment	HEIP	Higher Education Innovation Program (DEST)
CPSU	Community and Public Sector Union	HELP	Higher Education Loan Program
CRC	Cooperative Research Centre		

Abbreviations

H		Q	
HEO	Higher Education Officer	QACG	Quality Advisory and Coordination Group
HEP	Higher Education Provider	R	
HERDC	Higher Education Research Data Collection	R&D	Research and Development
HESA	Higher Education Support Act	R&R	Restructuring and Rationalisation Program
HOD	Head of Department	RC	Responsibility Centre
I		REG	Research and Earmarked Grants
IAF	Institutional Assessment Framework (This is a new name for what was previously the DEST Profile process.)	REP	Research Education Program
IAS	Institute of Advanced Studies	RFM	Relative Funding Model
ICT	Information and Communication Technology	RIBG	Research Infrastructure Block Grant (DEST)
ICTR	Information and Communication Technology Resources	RIEF	Research Infrastructure Equipment and Facilities Scheme
IELTS	International English Language Testing Scheme	RISF	Restructuring Initiatives Support Fund
IGS	Institutional Grants Scheme (DEST)	RMO	Risk Management Office
IO	International Office	ROA	Record of Achievement
IP	Intellectual Property	RQ	Research Quantum
IPRS	International Postgraduate Research Scholarships	RQU	Recognition Quality Unit (Higher Education Division - DEST)
IREX	International Researcher Exchange Scheme	RRTMR	Research and Research Training Management Reports
ISFP	Indigenous Support Funding Program	RSL	Recent School Leaver
ISIG	Innovation Summit Implementation Group	RTS	Research Training Scheme (DEST)
ISSU	International Student Services Unit	S	
ITC	Information Technology Committee	SCA	Sydney College of the Arts
ITL	Institute for Teaching and Learning	SCEQ	Sydney Course Experience Questionnaire
ITS	Information Technology Services	SCM	Sydney Conservatorium of Music
J		SCR	Science Capability Review
JASON	Joint Academic Scholarships Online Network	SDF	Strategic Development Fund
L		SEG	Senior Executive Group
LBOTE	Language Background Other Than English	SES	Socioeconomic Status
M		SI	Scholarship Index
MBA	Master of Business Administration	SLE	Student Learning Entitlement
MISG	Management Information Steering Group	SNA	Safety Net Adjustment
MNRF	Major National Research Facilities Scheme	SPIRT	Strategic Partnerships with Industry - Research and Training Scheme
MOU	Memorandum of Understanding	SPR	Student Progress Rate
MPG	Major Projects Group	SRC	Students' Representative Council
MRB	Medical Rural Bonded Scholarship Scheme	SSR	Student/Staff Ratio
N		STABEX	Study Abroad Exchange (database)
NBCOTP	National Bridging Courses for Overseas Trained Program	SUPRA	Sydney University Postgraduate Students' Representative Association
NCG	National Competitive Grant	SUSport	Sydney University Sport
NESB	Non-English-Speaking Background	T	
NHMRC	National Health and Medical Research Council	TAFE	Technical and Further Education
NOIE	National Office for the Information Economy	TOEFL	Test of English as a foreign language
NOOSR	National Office for Overseas Skill Recognition	TPI	Teaching Performance Indicator
NRSL	Non-Recent School Leaver	U	
NSWVCC	New South Wales Vice-Chancellors' Conference	UAC	Universities Admissions Centre
NTEU	National Tertiary Education Industry Union	UMAP	University Mobility in Asia and the Pacific
O		UNESCO	United Nations Educational, Scientific and Cultural Organisation
OECD	Organisation for Economic Cooperation and Development	UPA	University Postgraduate Awards
OLA	Open Learning Australia	V	
OLDPS	Open Learning Deferred Payment Scheme	VCAC	Vice-Chancellor's Advisory Committee
OPRS	Overseas Postgraduate Research Scholarships	VET	Vocational Education and Training
P		W	
PELS	Postgraduate Education Loans Scheme	WAM	Weighted Average Mark
PSO	Planning Support Office	WRP	Workplace Reform Program
PVC	Pro-Vice-Chancellor	WTO	World Trade Organization
Q		Y	
QA	Quality Assurance	YFE	Year of First Enrolment

Glossary

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney website. Please visit "<http://www.usyd.edu.au/handbooks/>".

For a table of the more commonly used acronyms and abbreviations that appear in University documents and publications please see the abbreviations section.

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

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.

Academic Board

The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and units of study and policy relating to the admission and candidature of students. (For further information, see the University Calendar.)

Academic cycle

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One through to the completion of the processing of results at the end of Semester Two. (See also 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 External transcript, Internal transcript.)

Academic year

The current calendar year in which a student is enrolled. (See also Academic cycle, Stage.)

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 criteria 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.)

Advisor

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 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:

$$\frac{(\text{mark} * \text{credit_pt_value})}{(\text{credit_pt_value})}$$

(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 which is 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.

Appeals

Students may lodge an appeal against academic or disciplinary decisions. An academic appeal (e.g. against exclusion) is managed by the Student Centre - Exclusions Office while it is under consideration and a record of the outcome of the appeal will be retained.

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

Formative assessment is 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 limitations in their knowledge and understanding.

Summative assessment

Summative assessment is 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 Advisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Assumed knowledge

For some units of study, a student is assumed to have passed a relevant subject at 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, this is dependant on the student's mode of attendance and the student load.

Attendance mode

A Department of Education, Science and Technology (DEST) classification defining the manner in which a student is undertaking a course, i.e. internal, external, mixed or offshore.

Australian Graduate School of Management (AGSM)

A joint venture with the University of New South Wales. The AGSM is derived from the Graduate School of Business at the University

of Sydney and the then AGSM at the University of New South Wales.

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

Austudy provides financial help to students who are aged 25 years or more 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 which 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**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 11 campuses of the University of Sydney:

- Burren Street (Institute for International Health, Institute of Transport Studies)
- Camperdown and Darlington (formerly known as Main Campus)
- Camden (Agriculture and Veterinary Science)
- Conservatorium (Sydney Conservatorium of Music)
- Cumberland (Health Sciences)
- Mallett Street (Nursing)
- Orange (Faculty of Rural Management and Centre for Regional Education)
- 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.

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.)

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.

College of Health Sciences

Consists of the Faculties of Dentistry; Health Sciences; Medicine; Nursing; and Pharmacy.

College of Humanities and Social Sciences (CHASS)

Consists of the Faculties of Arts; Economics and Business; Education; Law; the Sydney College of the Arts; and the Sydney Conservatorium of Music.

College of Sciences and Technology (CST)

Consists of the Faculties of Agriculture, Food and Natural Resources; Architecture; Engineering; Rural Management; Science; and Veterinary Science.

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 combined degree is 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.

Compulsory subscriptions

Each enrolled student is liable to pay annual (or semester) subscriptions, as determined by the Senate, to the student organisations at the University. There are different organisations for undergraduate and postgraduate students.

The student organisations are specific to different campuses. The organisations at campuses other than Camperdown and Darlington include: the Conservatorium Student Association, the Cumberland Student Guild, the Orange Agricultural College Student Association and the Student Association of Sydney College of the Arts. (See also Compulsory subscription exemption, Joining fee, Life membership.)

Compulsory subscription exemption

Students of a certain age or those with disabilities or medical conditions may be exempt from the subscription to the sports body.

Conscientious objectors to the payment of subscriptions to unions of any kind may apply to the Registrar for exemption. The Registrar

may permit such a student to make the payment to the Jean Foley Bursary Fund instead. (See also Compulsory subscriptions.)

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), whereby 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 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 all graduates of the University.

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 Senate, on the recommendation of the Academic Board. 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, supervised, other forms of instruction and learning normally will be dominant.

Research

A course in which at least 66 per cent of the overall course requirements involve students in 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, e.g. 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, e.g. 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 (e.g. 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. Credit 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 AAM - Annual average mark, 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 will have a 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 HECS liability or tuition fee charge at the institution at which the unit of study is being undertaken. Students pay compulsory subscriptions to one university only (usually their home university, i.e. the university which will award their degree). (See also Non-award course).

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.)

D

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 sub-committee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and the Planning Support Office.

Deadlines (Enrolment variations)

(See Enrolment variation.)

Deadlines (Fees)

The University has deadlines for the payment of fees (e.g. 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 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 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, i.e. 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, and 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 Commonwealth Government department responsible for higher education.

Differential HECS

(See Higher Education Contribution Scheme (HECS).)

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.

Disciplinary action

Undertaken as the result of academic or other misconduct, e.g. 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**Earliest date**

(See Research candidature.)

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, (effective 1 January 2005)

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, e.g. 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 beginning of each semester. Each faculty determines its deadlines for variations, but HECS liability depends on the HECS census date. (See also HECS.)

Examination

A set of questions or exercises evaluating on a given subject given by a department or faculty. (See Examination period, Assessment.)

Examination period

The time set each semester for the conduct of formal examinations.

Examiner (Coursework)

The person assessing either the written/oral examination, coursework assignments, presentations, etc of a student or group of students.

Exchange student

Either a student of the University of Sydney who is participating in a formally agreed program involving study at an overseas university or an overseas student who is 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 exclusion is set out in the University 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; and
- 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, e.g. 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.)

Fee-paying students

Students who pay tuition fees to the University and are not liable for HECS.

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 HECS 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 Assessment.)

Full-time student

(See also 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.)

Grade	Description	Comment
HD	High distinction	A mark of 85-100.
D	Distinction	A mark of 75-84.
CR	Credit	A mark of 65-74.
P	Pass	A mark of 50-64.
R	Satisfied requirements	This is used in pass/fail only outcomes.
UCN	Unit of study continuing	Used at the end of semester for units of study that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the unit of study.
PGDN	Pass (concessional)	A mark of 46-49. Use of this grade is restricted to those courses that allow for a concessional pass of some kind to be awarded. A student may re-enrol in a unit of study for which the result was PCON. Each faculty will determine and state in its course regulations what proportion, if any, may count — e.g. "no more than one sixth of the total credit points for a course can be made up from PCON results".
F	Fail	A mark of 0-49. This grade may be used for students with marks of 46-49 in those faculties which do not use PCON.
AF	Absent fail	Includes non-submission of compulsory work (or non-attendance at compulsory labs, etc) as well as failure to attend an examination.
W	Withdrawn	Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a unit of study by the HECS census date (i.e. within the first four weeks of enrolment).
DNF	Discontinued - not to count as failure	Recorded on external transcript. This result applies automatically where a student discontinues after the HECS census date but before the end of the seventh week of the semester (or before half of the unit of study has run, in the case of units of study which are not semester-length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure.
INC	Incomplete	This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board, this result will be converted to a normal permanent passing or failing grade either: by the dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy "Examinations and Assessment Procedures"; or automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.
UCN	Incomplete	A MINC or INC grade is converted, on the advice of the dean, to UCN when all or many students in a unit of study have not completed the requirements of the unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (e.g. Honours).

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.)

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 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**Head of department (HOD)**

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher doctorates

See Award course.

HECS (Higher Education Contribution Scheme)

All students, unless they qualify for an exemption, are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme. These contributions are determined annually by the Commonwealth Government. This scheme will cease in its current form from 1 January, 2005.

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. Long-standing full-time members of the University's academic staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission ad eundem gradum, to an appropriate degree of the University.

Honours

Some degrees may be completed "with Honours". This may involve either the completion of a separate Honours year or 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 and BMus students on the Camperdown Campus have an instrumental teacher appointed. (See also Advisor, 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 cover 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 hence 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 comprising such programs 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.)

J**Joining fee**

Students enrolling for the first time pay a joining fee in addition to the standard subscription for the University of Sydney Union or equivalent student organisation. (See also Compulsory subscription.)

L

Leave

See Course leave.

Legitimate cooperation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through interaction between students. (See also Group work.)

Life membership

Under some circumstances (e.g. after five full-time years of enrolments and contributions) students may be granted life membership of various organisations. This means they are exempt from paying yearly fees. (See also Compulsory subscriptions.)

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, HECS, 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 graduands 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.)

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.)

Mutually exclusive units of study

(See Prohibited combinations of units of study.)

N**Non-award course**

(See Course.)

Non-standard session

A teaching session other than the standard February and August sessions - e.g. Summer School, in which units of study are delivered and assessed in an intensive mode during January. (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 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 (e.g. during semester breaks), unless the student provides a different overridden by semester 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 the acknowledgement of the source. (See also Academic dishonesty.)

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 will cease in this manner from 1 January, 2005, and will be replaced by the FEE-HELP scheme.

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 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

Students undertake placement in a professional practice as a part of their course requirements. 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, Instrumental supervisor/teacher, Supervision.)

Result processing

Refers to the processing of assessment results for units of study. For each unit of study, departments 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 departments 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 whose dates 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.)

Senate appeals

Senate appeals are held for those students who, after being excluded by a faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues, i.e. the department, faculty, board of study and, in the case of postgraduates, the Committee for Graduate Studies. (See also Exclusion.)

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.

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.)

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, e.g. 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 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 pas sport-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, e.g. 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 which has the responsibility for managing the academic administration of a particular course, i.e. 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 (e.g. 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

Refers to 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 Advisor, Associate supervisor, Instrumental supervisor/teacher, Research supervisor.)

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 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.

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

The enrolment status indicates whether the student is still actively attending the unit of study (i.e. 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 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.

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.

USYDnet

The University of Sydney's intranet system. It provides access to other services such as directories (maps, staff and student, organisations), a calendar of events (to which staff and students can submit entries), and a software download area.

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

An intensive session offered by the University during the mid-year break.

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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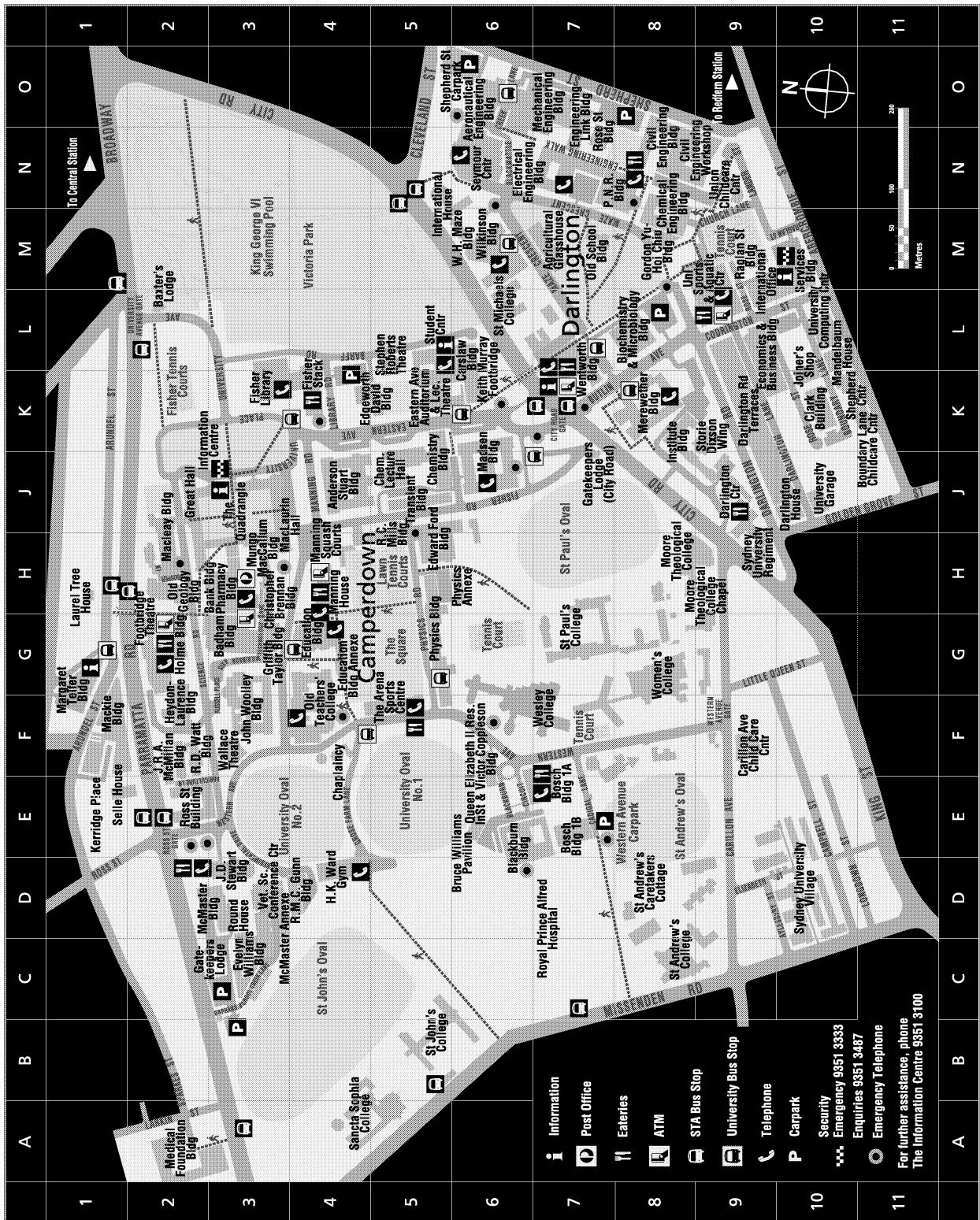
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Camperdown / Darlington campus map



University Buildings

06 Aeronautical Engineering Building
J4 Anderson Stuart Building
G3 Badham Building
H3 Bank Building
L2 Baxter's Lodge
L8 Biochemistry and Microbiology Building
E6 Blackburn Building
E7 Bosch Building 1A
E7 Bosch Building IB
E6 Bruce Williams Pavilion
L6 Carslaw Building
F4 Chaplaincy
M8 Chemical Engineering Building
J5 Chemistry Building
H3 Christopher Brennan Building
N8 Civil Engineering Building
N9 Civil Engineering Workshop
K10 Clark Building
J9 Darlington Centre
J10 Darlington House
K9 Darlington Road Terraces
K5 Eastern Avenue Auditorium and
Lecture Theatre Complex
L9 Economics and Business Building
K4 Edgeworth David Building
G4 Education Building
G4 Education Building Annexe
H5 Edward Ford Building
N7 Electrical Engineering Building
N7 Engineering Link Building
C3 Evelyn Williams Building
K3 Fisher Library
K4 Fisher Library Stack
C3 Gatekeeper's Lodge
J7 Gatekeeper's Lodge
(City Road)
M8 Gordon Yu-Hoi Chui Building
J2 Great Hall
G3 Griffith Taylor Building
D4 H.K.Ward Gymnasium
F2 Hey don-Laurence Building
G2 Holme Building
K8 Institute Building
N5 International House
F2 J.R.A.McMillan Building
D3 J.D.Stewart Building
F3 John Woolley Building
F1 Mackie Building
H3 MacLaurin Hall
H2 Macleay Building
G1 Margaret Telfer Building
J6 Madsen Building
H4 Manning House
H4 Manning Squash Courts
D3 McMaster Annexe

D3 McMaster Building
06 Mechanical Engineering Building
A2 Medical Foundation Building
L6 Merewether Building
H3 Mungo MacCallum Building
H2 Old Geology Building
M7 Old School Building
F4 Old Teachers' College
H3 Pharmacy Building
H6 Physics Annexe
G5 Physics Building
N8 P.N.R.Building
E6 Queen Elizabeth II
Research Institute
H5 R.C.Mills Building
F2 R.D.Watt Building
D4 R.M.C.Gunn Building
M9 Raglan Street Building
N7 Rose Street Building
E2 Ross Street Building
G2 Science Road Cottage
E1 Selle House
M10 Services Building
N6 Seymour Centre
K10 Shepherd Centre
06 Shepherd Street Carpark
L5 Stephen Roberts Theatre
K9 Storie Dixson Wing
F5 The Arena Sports Centre
J3 The Quadrangle
J5 Transient Building
L10 University Computing Centre
J10 University Garage
M9 University Sports and Aquatic Centre
D3 Veterinary Science Conference Centre
E6 Victor Coppelson Building
F3 Wallace Theatre
K7 Wentworth Building
E7 Western Avenue Carpark
M6 W.H.Maze Building
M6 Wilkinson Building

Academic Colleges (offices)

H5 Health Sciences
F4 Humanities and Social Sciences
N8 Sciences and Technology

Childcare Centres

K11 Boundary Lane
F9 Carillon Avenue
H1 Laurel Tree House
N9 Union

Colleges and 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 (ITS)

G3 Brennan
G4 Education
K3 Fisher
N7 Link
L6 McGrath (Carslaw)
H3 Pharmacy

Cultural Venues

G2 Footbridge Theatre
H2 Macleay Museum
J3 Nicholson Museum
N6 Seymour Centre
K7 Sir Hermann Black Gallery
M6 Tin Sheds Gallery
J2 War Memorial Art Gallery

Facilities (offices)

F2 Agriculture
M6 Architecture
H3 Arts
K8 Economics and Business
G4 Education and Social Work
N7 Engineering
H5 Medicine
H3 Pharmacy
L6 Science
D3 Veterinary Science

Libraries

M6 Architecture
G3 Badham
H5 Burkitt-Ford
K3 Curriculum Resources
N8 Engineering
K3 Fisher
J6 Madsen
L6 Mathematics
E7 Medical
N6 Music
H6 Physics
H5 Schaeffer Fine Arts

Retail

H3 Australia Post Office
H3 Bank Building
J9 Darlington Centre
G2 Holme Building
H4 Manning House

F5 The Arena Sports Centre
M9 University Copy Centre
K7 University Health Service
M9 University Sports and Aquatic Centre
M9 University Co-op Bookshop
D3 Veterinary Hospital and Clinic
K7 Wentworth Building

Security

M10 Emergency Services
M10 Lost Property
J3 Information Centre
M10 Traffic and Parking

Sports and 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 No2
M9 University Sports and Aquatic Centre

Unions and 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 and Services

F3 Business Liaison Office
F1 Careers Centre
G1 Cashier
F1 Centre for Continuing Education
H3 Chancellor
L10 Computing Centre
H3 Development, Alumni Relations and Events
M10 Development Services
H2 Executive Offices
J3 Information Centre
L10 Information Technology Services
L9 International Office
G1 Personnel
M10 Printing Services (UPS)
H2 Publications Office
H3 Research Office
M10 Room Bookings and Venue Management
F1 Scholarships Unit
L5 Student Centre
G1 Student Housing
G4 Student Services Unit
K8 Summer School
C3 Veterinary Hospital and Clinic
H2 Vice-Chancellor

