



The University of Sydney

Faculty of Education and Social Work Handbook 2004

University dates

University semester and vacation dates 2004

<i>Summer School</i>	
Lectures begin	Monday 5 January
Lectures end	Friday 20 February
<i>Semester 1</i>	
Lectures begin	Monday 8 March
AVCC Common Week/non-teaching Easter Period	Friday 9 April to Friday 16 April
Last day of lectures	Friday 11 June
Study vacation: 1 week beginning	Monday 14 June to Friday 18 June
Examination period	Monday 21 June to Saturday 3 July
Semester ends	Saturday 3 July
AVCC Common week/non-teaching period	Monday 5 July to Friday 9 July
<i>Semester 2</i>	
Lectures begin	Monday 26 July
AVCC Common Week/non-teaching period	Monday 27 September to Friday 1 October
Last day of lectures	Friday 29 October
Study vacation	Monday 1 November to Friday 5 November
Examination period	Monday 8 November to Saturday 20 November
Semester ends	Saturday 20 November

Last dates for withdrawal or discontinuation 2004

<i>Semester 1 units of study.</i>	
Last day to add a unit	Friday 19 March
Last day for withdrawal	Wednesday 31 March
Last day to discontinue without failure (DNF)	Friday 30 April
Last day to discontinue (Discontinued – Fail)	Friday 11 June
<i>Semester 2 units of study.</i>	
Last day to add a unit	Friday 6 August
Last day for withdrawal	Tuesday 31 August
Last day to discontinue without failure (DNF)	Friday 17 September
Last day to discontinue (Discontinued – Fail)	Friday 29 October
Withdrawal from intensive units of study offered at any time.	
Last day to withdraw from an intensive unit with a duration of less than six weeks. Close of business on the first teaching day.	
Last day to withdraw from an intensive unit with a duration of six weeks or more but less than that of a standard semester. Close of business on the fourteenth day after teaching has commenced.	

University semester and vacation dates 2004–2006 are listed on the University Web site at www.usyd.edu.au/fstudent/undergrad/apply/scm/dates.shtml.

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NSW 2006
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The University of Sydney Faculty of Education and Social Work
Handbook 2004

© 2003 The University of Sydney. ISSN 1327-399X.
CRICOS Provider Code 00026A.

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.

Produced by the Publications Office, The University of Sydney, with the assistance of Tim Mansour from Neologica Print & Promotions,
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Printed by Teldon Print Media, Rosebery, NSW.

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Message from the Dean

On behalf of the teaching and administrative staff I welcome you to the newly established 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 look forward to even stronger programs in both fields as we learn from each other about different methods of professional education and ways of supporting students as learners and practitioners.

As might be expected, the Faculty is blessed with many excellent teachers who model best practice to their students. It has also developed a research-intensive culture, the output of which is important in policy development and practice in a range of 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 specialize in the PDHPE (Personal development, health and physical education) 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 are inclusion of units of study which help students learn how to: integrate IT into their teaching practices; cater for students with special needs, and those who are of indigenous heritage or are speakers of languages other than English; and prepare to teach health and physical education. 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.

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.

The Faculty is pleased to have among the best facilities in the country and boasts good IT labs, a dance studio, art workshops, music rooms, an exercise physiology lab, and the Children's 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 you will be able to join us.



A handwritten signature in black ink, which appears to read "Gerard Sullivan". The signature is fluid and cursive, with the first name being more prominent.

Gerard Sullivan, Acting Dean.



1 Faculty of Education and Social Work

■ The Faculty of Education and Social Work – a brief history

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

There are currently three schools in the Faculty: School of Policy and Practice; School of Development and Learning; and the School of Social Work and Policy Studies. These form the broad focus of research and academic discipline within the Faculty. There are also a number of Divisions, including Graduate Programs, Undergraduate Programs, Research, and International. The Faculty prides itself on the provision of excellent educational opportunities for undergraduate and postgraduate students. The recently established Division of Professional Experience, Partnerships and Development provides high quality services to students and offers continuing studies and support for professional educators.

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Marion Lupton

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Dr John Hughes (Division of Undergraduate Studies)

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TBA

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Centres of the Faculty**Centre for Computer Supported Learning and Cognition (Coco)***Directors*

Professor Peter Reimann

Professor Peter Goodyear

Administrative Assistant (Part-time)

Mandy Newton

The aim of the centre is to act as a focus for research and postgraduate study in the field of ICT and Education (broadly defined to include any kinds of research investigating the use of ICT to support learning and/or teaching). The Centre's objectives include: the provision of a convivial, innovative, productive and well-resourced environment for leading-edge research; 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.

Health Education unit*Director*

Ms Meg Pickup

Health Education Unit Library Manager

Tim Cotsford

Senior Education Officer

Kylie Fitzgerald

Library Assistants

Julie Rosenberg

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.edfac.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 information and opinion which shapes Australia-China relations.

Evelyn McCloughlan Children's Centre*Administrative Assistant*

Cheryl Brown

The Children's Centre operates as an educational resource within the Primary Teacher Education programs. It was established in 1977 in order to help students become more aware of children with learning difficulties, and to provide them with the knowledge and skills to be able to teach such children. The

Centre also assists schools in the task of helping children with learning difficulties. The Centre is currently under review. Plans to develop strong research and community service components as part of its ongoing function within the Faculty are being considered. There are three units in the Centre: 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. An approach that focuses on helping the child to develop a positive attitude to themselves as a learner and to mathematics is encouraged; Early Learning unit – The programs in this unit aim to develop perceptual, communication, thinking and social skills as well as a wide variety of concepts. There is an emphasis on early reading and writing skills. Wherever possible opportunities are made to link experiences across the three areas. The Resources Library, which is located within the Language and Numeracy units has reference books, audio-visual materials, teaching schemes, games and tests. These materials are used as part of the teaching program of the Centre and are not for loan.

Centre for Practitioner Research

Director

Professor Judith Sachs

The Centre for Practitioner Research provides opportunities for practitioners working in the field of education to report and publish their work. It also runs short courses to help practitioners develop skills in teacher research and action research. The Centre provides opportunities for students in the faculty working in areas of school improvement, action research and collaborative research to showcase their work through a variety of activities such as seminars, mini conferences and web-pages.

Centre for Research and Teaching in Civics

Director

Associate Professor Murray Print

Senior Research Associate

Dr Kathy Edwards

Research Assistant

MsMolly Nicholson

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 CRTEC have participated in many national and international projects in civics and citizenship education valued at \$3.25 million.

International Institute for Educational Development

Director

Associate Professor Phillip Jones

The International Institute for Educational Development addresses the future of education in a world profoundly affected by globalisation. Human society is entering a period when global forces will require new avenues of enquiry, innovative means of preparing education professionals for a global age, and institutional responsiveness to emerging challenges and opportunities. IIED mobilises the Faculty's academic strengths and resources in the field of International Education, applying them to: undergraduate teaching; the Graduate Diploma in International Education by distance; implementation of major research projects in International Education; the provision of short training courses locally and off-shore; the development of consultancy service; collaboration with development assistance agencies; and management of the IIED Training Network.

The Sydney Principals' Institute

Director

Dr Kevin Laws

The Sydney Principals' Institute was established in 1998 and is a key part of the Division of International and External Relations in the Faculty of Education and Social Work at The University of Sydney. It seeks, through its activities, to provide opportunities for principals and other senior school executives from state and private schools in New South Wales to meet, learn about, and discuss issues of common concern. The Institute participated in the establishment of the Asia-Pacific Network of Principals and Leadership Centres linking groups in Australian states, New Zealand and a number of Asian Countries for the purposes of sharing knowledge and planning joint activities that will benefit members. The Institute is also a member of the International

Network of Principals' Centres organised through Harvard University.

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 Web site contains details of these Awards and other events in Australian educational publishing (at alex.edfac.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

Dr Paul Dufficy

Phone: (02) 9351 6287

Fax: (02) 9351 6307

Email: p.dufficy@edfac.usyd.edu.au

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

Course Coordinator

Dr Jacqueline Manuel

Phone: (02) 9351 3350

Fax: (02) 9351 4580

Email: j.manuel@edfac.usyd.edu.au

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

Course Coordinator

Dr John Hughes

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Email: j.hughes@edfac.usyd.edu.au

BEd(Sec: Human Movement and Health Education)

Course Coordinator

Meg Pickup

Phone: (02) 9351 6374

Fax: (02) 9351 4580

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

BEd(Sec: Design and Technology)

Course Coordinator

Mr Nigel Goodwin

Phone: (02) 9351 6248

Fax: (02) 9351 5662

Email: n.goodwin@edfac.usyd.edu.au

Honours

Course Coordinator

Ms Angela Thomas

Phone: (02) 9351 6229

Fax: (02) 9351 2606

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

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

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

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 Scholarships (open to Arts, and Education and Social Work students)	Up to \$12,000 (subject to application)	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 twenty 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 (eg, publications of the New South Wales Board of Studies – syllabuses and related support documents, examination papers and related publications); policy documents; books; periodicals; audio-visual materials (eg, 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.

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: (02) 9351 6252

Fax: (02) 9351 7766

Email: jhicks@library.usyd.edu.au.

Fisher Library

The Fisher Library includes the Undergraduate Library (which includes multiple copies of titles for student course work at both undergraduate and postgraduate level) and the Research Library (which includes single copies of titles for research needs).

The collection includes books and periodicals in the areas of educational research and policy, educational psychology, sociology of education, philosophy of education, history of education, comparative education, educational administration, special education, educational and psychological testing, teacher education, and curriculum theory. Fisher Library also houses the ERIC (Educational Resources Information Centre) Microfiche Collection of unpublished documents which cover all aspects of educational theory and practice.

Contact Librarian: Ms Philippa Crosbie

Phone: (02) 9351 6940

Fax: (02) 9351 7290

Email: p.crosbie@library.usyd.edu.au.

Fisher Library and Alexander Mackie Curriculum Resources Library offer computerised literature searching facilities (including CD-ROMs), and Reader Education programs in their respective areas of subject expertise, to support the Faculty of Education and Social Work's courses.

Leaflets describing other services offered by Fisher Library are available from the Library's Information Desk on the third level. Higher degree students should consult the publication Library Resources for Postgraduate Students for details of the many services available to them (eg, inter-library loans/reciprocal borrowing from other libraries).

University of Sydney Education 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 Society (USES)

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 theory, research and practice across all fields of education.
- 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: (02) 9351 6350

Fax: (02) 9660 2585

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

Summer School

Most faculties at the University offer units of study from degree programs during January/February. As the University uses all of its HECS quota in first and second semester, these units are full fee-paying and 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 requisite subjects before they commence their degrees. Units start on 2 January and run for up to six weeks (followed by an examination week). Notice of the units available is contained in the various faculty handbooks and is usually circulated to students with their results notices.

Phone: (02) 9351 5542

Fax: (02) 9351 5888

Email: info@summer.usyd.edu.au

Web: www.summer.usyd.edu.au.

2 Introduction to Education Undergraduate Study

■ Bachelor of Education (Primary Education)

Course Coordinator

Dr. Paul Dufficy

Phone: (02) 9351 6287

Fax: (02) 9351 6377

Email: p.dufficy@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.

Generalist education studies explores education as a social science and examines 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 which 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 may elect to undertake either a second year of senior level study in, the faculties of Arts, Science, and Economics and Business, or may 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.

Students may also specialise in specific areas of the curriculum and/or areas of professional practice by enrolling in the honours program which begins in third year. This will entail studies in research methods and the preparation of a thesis in the final year. Honours is also available in the subject students undertake within the faculties of Arts, Science and/or Economics and Business.

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 developments.

Note

From 1996, 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 1 and 2;
- Two Junior (level 100) units of study chosen from those offered by the Faculties of Arts, Science, or Economics and Business.
- Professional Studies in Creative Arts (Visual Arts, Music, Drama and Dance) and Introduction to Teaching & Learning: Literacy (including 8 days practice teaching & 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

- Four 300-level one-semester units of study in Education (The unit of study 'Special Education: Inclusive Schools' is compulsory if you are seeking employment with the Department of Education and Training); and
- Professional Studies, comprising of 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). (If you wish to take Honours the program begins in Year III with Beginning Educational Research and Methodologies and Educational Research. See separate entry at the end of this section.)

Year 4

- Professional Studies, comprising of separate semester units in Language, Mathematics, Teaching Children with Special Needs, Creative Arts (Visual Arts, Music, Drama and Dance), Personal Development and Health/Physical Education, Science and Technology, Human Society and its Environment and a continuation of the Professional Experience (18 days + 15 days Internship placement);
- Either two Senior (Level 200 or 300)/Third Year units offered by the faculties of Arts, Science, or Economics and Business or a series of two Special units offered by the Faculty. Some of these currently being offered are: Teaching English to Speakers of Other Languages (TESOL), Creative Arts, Languages Other Than English (LOTE), Special Education, Gifted and Talented Education, Cultural Literacies and Aboriginal Studies.

(If you are taking Honours, during this year you will write up and submit your thesis.)

■ 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 education 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 four units of Education: two compulsory; and two optional. In the fourth year, only units of professional studies in human movement and health education are studied. In both Year 3 and Year 4, there are 20 days of School Experience in secondary schools.

Students with a credit or higher average in their results in Year 2 Education units, and in 16 credit points of professional studies in human movement and health education units or other faculty units may do Honours, beginning in Year 3. See separate entry at the end of this section.

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
- EDUH 1016 Human Bioscience and EDUH 1017 Sports Mechanics; and
- Two Junior/First Year units of study chosen from those offered by the Faculty of Arts (eg, History, English, Anthropology, Religious Studies, French, Arabic, Japanese, Philosophy), the Faculty of Economics and Business, and 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, the Faculty of Economics and Business, and the Faculty of Science; and
- Professional Studies in Human Movement and Health Education, comprising:
 - EDUH 2007 Teaching & Learning in PDHPE 1
 - EDUH 2005 Determinants of Health
 - EDUH 2001 Applied Anatomy & Physiology
 - EDUH 2006 Practical Studies in Physical Education 2
 - EDUH 2004 School Experience 1

Year 3

- Two compulsory 300-level units of study in Education
 - EDUF 3021 Special Education: Inclusive Schools
 - EDUF 3112 Sports, Leisure & Youth Policy; and
- Two elective 300-level units of study in Education; and
- Professional Studies in Human Movement and Health Education, comprising:
 - EDUH 300? Practical Studies in Physical Education 3
 - EDUH 300? Teaching & Learning in PDHPE 2
 - EDUH 300? Psychosocial Health Issues
 - EDUH 3014 Assessment and Evaluation in PDHPE
 - EDUH 300? Adolescent Health Issues
 - EDUH 3023 Exercise Physiology
 - EDUH 300? Practical Studies in Physical Education 4
 - EDUH 300? School Experience 2

Year 4

- Professional Studies in Human Movement and Health Education, comprising:
 - EDIH 4001 Contemporary Studies in PDHPE
 - EDUH 4013 Adaptive PDHPE
 - EDUH 4015 Administration of PDHPE & Sport in Schools
 - EDUH 4023 Sports medicine
 Either
 - EDUH 4014 Settings & Health
 - or
 - EDUH 400? Community & Family Studies A
 - EDUH 400? Planning for Healthy Behaviour
 - EDUH 400? Teaching & Learning in PDHPE 3
 - EDUH 400? Psychosocial Issues in PE & Sport
 - EDUH 400? Information Technology in the Classroom
 - EDUH 400? Practical Studies in Physical Education 5
 - EDUH 400? School Experience 3
- Two optional units of study selected from those offered each year.

Honours

Students who are approved to complete Honours will follow this pattern of study.

Years 1 and 2

As listed above

Year 3

Student will complete:

- EDUF 3205 Beginning Educational Research
 - EDUF 3206 Methodologies & Educational Research
- as their two elective 300-level units of study in Education. All other units of study will be completed.

Year 4

Students will complete:

- EDUF 4042 Secondary Special Course Honours A
 - EDUF 4043 Secondary Special Course Honours B
- as their two optional units of study. At the completion of these two units of study candidates will submit a thesis.

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

Course Coordinator

Dr Jacqueline Manuel

Phone: (02) 9351 3350

Fax: (02) 9351 4580

Email: j.manuel@edfac.usyd.edu.au

Course Assistant

TBA

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): Arabic, Chinese, French, German, Indonesian, Italian, Japanese, Hebrew, Modern Greek
- 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. 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 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

- Two 200-level one-semester units of study in Education (12 credit points); and
- Information Technology in the Classroom (4 credit points); and
- Four Senior (200-level) units of study chosen from those offered by the Faculty of Arts (continuation of teaching subjects) (32 credit points).

Year 3

- Two 300-level one-semester units of study in Education (8 credit points); and
- Curriculum Methods units (20 credit points); and
- Teaching and learning units of study (including 25 days practice teaching) (12 credit points); and
- One Senior one-semester unit of study from those offered by Table A, Faculty of Arts in the major area of study (8 credit points).

Year 4

- Two 300-level one-semester units of study in Education (Honours students must take EDUF 3205 and EDUF 3206) (8 credit points); and
- Curriculum Methods units including Curriculum 4: Information Technology (20 credit points); and
- Teaching and learning units of study (including 20 days practice teaching) and 20 days internship (12 credit points); and
- One Senior one-semester unit of study from those offered by Table A, Faculty of Arts to complete major area of study (8 credit points).

Year 5

- Professional units for a third teaching method in TESOL (includes 15 days practice teaching); or
- Advanced Teaching units (16 credit points); or
- Honours Thesis (16 credit points); and
- Internship (20 days) (8 credit points); and
- Senior units of study to complete requirements for the BA (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.

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

Course Coordinator
Dr Jacqueline Manuel
Phone: (02) 9351 3350

Fax: (02) 9351 4580

Email: j.manuel@edfac.usyd.edu.au

Science Curriculum Coordinator

Mr Tony Sperring

Phone: (02) 9351 2608

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

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

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

Students must complete a major in one teaching science area – ie, Biology, Chemistry, Geology or Physics (or a corresponding major such as Agricultural Chemistry, Biochemistry, Geophysics, Marine Science, Microbiology, Pharmacology, Physiology or Soil Science) and at least one year of study in a second science (from the four broad science areas). At least 1 year (12 units) 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. 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.

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
- 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 units of study 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

- Two 200-level one-semester units of study in Education (12 credit points); and
- Information Technology in the Classroom (4 credit points); and
- Two 200-level one-semester units of study from science teaching subject areas (16 credit points); and
- Two 200-level one-semester units of study chosen from those offered by the Faculty of Science (16 credit points)

Year 3

- Two 300-level one-semester units of study in Education (8 credit points); and
- Curriculum Methods units (20 credit points); and
- Teaching and learning units of study (including 25 days practice teaching) (12 credit points); and
- One Senior one-semester unit of study from those offered by the Faculty of Science in the major area of study (8 credit points)

Year 4

- Two 300-level one-semester units of study in Education (Honours students must take EDUF 3205 and EDUF 3206) (8 credit points); and
- Curriculum Methods units including Curriculum 4: Information Technology (20 credit points); and
- Teaching and learning units of study (including 20 days practice teaching) and 20 days internship (12 credit points); and

- One Senior one-semester unit of study from those offered by the Faculty of Science to complete major area of study (8 credit points).

Year 5

- Professional units for third method (includes 15 days practice teaching); or
- Advanced Teaching units (16 credit points); or
- Honours Thesis (16 credit points); and
- Internship (20 days) (8 credit points); and
- Senior units of study to complete requirements for the BSc (24 credit points).

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

Course Coordinator

Dr Jacqueline Manuel

Phone: (02) 9351 3350

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email:j.manuel@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.

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
- Four 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

- Two 200-level one-semester units of study in Education (12 credit points); and
- Information Technology in the Classroom (4 credit points); and
- Four 200-level one-semester units of mathematics or statistics (16 credit points); and
- Two 200-level units of study chosen from those offered by the Faculty of Science (16 credit points).

Year 3

- Two 300-level one-semester units of study in Education (8 credit points); and
- Curriculum Methods units (20 credit points); and
- Teaching and learning units of study (including 25 days practice teaching) (12 credit points); and
- Two 300-level one-semester units of mathematics or statistics (8 credit points).

Year 4

- Two 300-level one-semester units of study in Education (Honours students must take EDUF 3205 and EDUF 3206) (8 credit points); and
- Curriculum Methods units including Curriculum 4: Information Technology (20 credit points); and
- Teaching and learning units of study (including 20 days practice teaching) and 20 days internship (12 credit points); and
- Two 300-level one-semester units of mathematics or statistics (8 credit points).

Year 5

- Professional units for third method (includes 15 days practice teaching) or
- Advanced Teaching units (16 credit points); or
- Honours Thesis (16 credit points); and
- Internship (20 days) (8 credit points); and
- Senior units of study to complete requirements for the BSc (24 credit points).

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

Course Coordinator

Dr John Hughes

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Email: j.hughes@edfac.usyd.edu.au

This course prepares graduates who will qualify as school counsellors as well as teachers in secondary schools, either in a specified Science discipline area (Physics or Chemistry) or in Mathematics.

* *N.B. Students must obtain a credit average across Psychology I, II and III in order to undertake Psychology 4.*

Students study science in specified subjects which they will be teaching in secondary schools and at the same time complete a major in psychology, and units of study in curriculum, teaching and learning and education foundations. There is provision for professional experience in teaching and counselling as well as an applied research component in psychology. The fourth and fifth years of the degree enable students to complete the equivalent graduate studies in psychology, as well as specialist studies in educational psychology and school counselling. The major in science is also completed in the fifth year.

Year 1

- Psychology 1001 and Psychology 1002 (12 credit points)
- EDUF 1018 (Education, Teachers and Teaching) and EDUF 1019 (Human Development and Education) (12 credit points)
- Science units (24 credit points) consisting of 12 credit points Mathematics and 12 credit points in either Physics or Chemistry.

Year 2

- Psychology 2111, 2112, 2113, 2114 (16 credit points)
- EDUF 2007 (Social Perspectives on Education) and EDUF 3021(Special Education:Inclusive Schools) (10 credit points)
- EDSE 4001 Information Technology in the Classroom (4 credit points)
- EDSP 2001 Counselling Practicum 1 (2 credit points)
- Science units (teaching subject) (16 credit points).

Year 3

- Psychology 3202, 3206, 3201, 3209, 3203, 3208, 3214, 3211(32 credit points)
- Curriculum units 1 and 2 (10 credit points)
- EDSP 3002 Teaching and Learning (Psychology) (4 credit points)
- EDSP 3001 Teaching Practicum 1 (15 days) (2 credit points).

Year 4

- Psychology 4 (28 credit points)
- Psychoeducational Assessment (4 credit points)
- Adolescent School Counselling (4 credit points)
- Curriculum unit 3 (6 credit points)
- Counselling Practicum 2 (13 days) (2 credit points)
- Teaching Practicum 2 (20 days) (4 credit points).

Year 5

- Psychology 4 (20 credit points)
- Behavioural Management of Youth (4 credit points)
- Issues in School Counselling (4 credit points)

- Senior Science units (teaching subject) (16 credit points)
- Counselling Practicum 3 (25 days) (2 credit points)
- Teaching Practicum 3 (15 days) (2 credit points).

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

Course Coordinator

Dr John Hughes

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Email: j.hughes@edfac.usyd.edu.au

This course prepares graduates who will qualify as school counsellors as well as teachers in secondary schools, or a Humanities area (eg, English, History or TESOL).

* *N.B. Students must obtain a credit average across Psychology I, II and III in order to undertake Psychology 4.*

Students study arts in specified subjects which they will be teaching in secondary schools and at the same time complete a major in psychology, and units of study in curriculum, teaching and learning and education foundations. There is provision for professional experience in teaching and counselling as well as an applied research component in psychology. The fourth and fifth years of the degree enable students to complete the equivalent graduate studies in psychology, as well as specialist studies in educational psychology and school counselling. The major in arts is also completed in the fifth year.

Year 1

- Psychology 1001 and Psychology 1002 (12 credit points)
- EDUF 1018 (Education, Teachers and Teaching) and EDUF 1019 (Human Development and Education) (12 credit points)
- Arts units, 12 of which must be from Table A (24 credit points)

Year 2

- Psychology 2111, 2112, 2113, 2114 (16 credit points)
- EDUF 2007 (Social Perspectives on Education) and EDUF 3021 (Special Education: Inclusive Schools) (10 credit points)
- EDSE 4001 Information Technology in the Classroom (4 credit points)
- EDSP 2001 Counselling Practicum 1 (2 credit points)
- Arts units, Table A (teaching subject) (16 credit points)

Year 3

- Psychology 3202, 3206, 3201, 3209, 3203, 3208, 3214, 3211 (32 credit points)
- Curriculum units 1 and 2 (10 credit points)
- EDSP 3002 Teaching and Learning (Psychology) (4 credit points)
- EDSP 3001 Teaching Practicum 1 (10 days) (2 credit points)

Year 4

- Psychology 4 (28 credit points)
- Psychoeducational Assessment (4 credit points)
- Adolescent School Counselling (4 credit points)
- Curriculum unit 3 (6 credit points)
- Counselling Practicum 2 (13 days) (2 credit points)
- Teaching Practicum 2 (20 days) (4 credit points)

Year 5

- Psychology 4 (20 credit points)
- Behavioural Management of Youth (4 credit points)
- Issues in School Counselling (4 credit points)
- Senior Arts units (teaching subject) (16 credit points)
- Counselling Practicum 3 (25 days) (2 credit points)
- Teaching Practicum 3 (15 days) (2 credit points)

■ Bachelor of Education (Secondary: Aboriginal Studies)

For further information about this Block Mode program please contact:

Course Coordinator

Dr Arthur Smith

The Koori Centre

Phone: (02) 9351 6995

Fax: (02) 9351 6923

Email: a.smith@koori.usyd.edu.au

The Faculty of Education 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 both on and off campus blocks of study during regular university semester times. One week in Sydney six times a year is a typical pattern.

■ Bachelor of Education (Secondary: Design and Technology)

Course Coordinator

Mr Nigel Goodwin

Phone (02) 9351 6248

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Email: n.goodwin@edfac.usyd.edu.au

Students must complete and download a questionnaire form from the Web site at www.edfac.usyd.edu.au/courses/undergrad/dt, in addition to lodging an application through UAC.

This Degree prepares students to undertake studies at the University as well as completing three Level 4 Certificates within TAFE, thus preparing them to teach Design and Technology as well as either Food Technology/Hospitality, Textiles and Design, or Information Technology in secondary schools.

The program involves studies in Design and Technology offered through TAFE and further general education, pedagogy, and curriculum studies at the University.

Before applying for entry into the program students must have completed a Level 4 or higher certificate in either Hospitality (Catering Operations) or Information Technology (Client Services), or a Diploma in Fashion Design or equivalent at TAFE. Students who meet this requirement will be given one year's advanced standing. Note that completion of either Certificate IV does not, of itself, guarantee entry into the program.

Entry to year 2 of the program requires completion of the HSC and/or substantial work experience, successful completion of the specified Level 4 Certificate in Year 1, and approval following an interview by the Faculty.

The schedule of studies for Years 2–4 of the degree is as follows.

Year 2

- Design Fundamentals 1A/1B – applied studies through TAFE
- Education I – EDUF 1018 and EDUF 1019
- Food Science 1 & 2 OR Information Processes & Technology 1 & 2
- Teaching Technology IA/1B including in-school observation (5 days)
- Teaching and Learning 1 (DandT)

Year 3

- Design Fundamentals 2A/2B – applied studies through TAFE
- Education II – EDUF 2006 and EDUF 2007
- Teaching Design & 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 Design and Technology IIIA/IIIB
- Professional Experience B (40 days)
- Graduating Design Project.

■ Bachelor of Education (Honours)

Honours Co-ordinator

Dr Angela Thomas

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

Honours Information: www.edfac.usyd.edu.au/staff/thomasa/Courses.html

The Honours course is designed for high achieving students to undertake educational research. It provides opportunities for students to:

- Work closely with Faculty research staff as supervisor/s
- Develop writing and research skills which are essential to postgraduate study
- Obtain an additional qualification which signifies excellence and which may assist employment prospects
- Complete an Honours degree in the same time required to complete a Pass degree

Grading of Honours consists of coursework (20%) and thesis (80%). The overall grade of Honours will be indicated according to the following scale:

I: Class I Honours (80–100%)

II: Class II Honours, Division 1 (75–79%)

III: Class II Honours, Division 2 (70–74%)

III: Class III Honours (65–69%)

P: Pass (50–64%)

Details about eligibility, progress requirements and awards in the Honours course are located in the resolutions of 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 practice 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

■ Bachelor of Arts/Bachelor of Social Work Degrees

Course Coordinator:

Lindsey Napier

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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 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. A structured program of lectures, seminars and skills workshops is provided to resource learning.

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 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 practice and policy; theory, practice and research; theory and practice interdependence;
- an understanding of, and an ability to, articulate the contribution of social work and social policy in working towards social justice;
- a capacity to locate, analyse, use and engage in research in practice;
- an ability to use knowledge effectively to solve problems at different levels of intervention and in a range of workplace contexts;
- 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. They may include Psychology 101 and 102

Year 2

48 credit points comprising:

- Senior level Sociology unit of study (8 credit points) and
- Social Inquiry Research Methods (8 credit points); and
- Intermediate level Psychology units of study (16 credit points); or Psychology for Social Work 201 and Psychology for Social Work 202 (16 credit points); and
- 16 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 prescribed for the Bachelor of Arts course and taken in accordance with the resolutions for that course.

Year 4

48 credit points comprising:

- Preparation Seminar 301 (6 credit points); and
- IBL unit 1 (6 credit points); and
- IBL unit 2 (6 credit points); and
- Skills Workshop 301 (6 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 Board of Studies in Social Work (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 Board of Studies in Social Work (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:

Lindsey Napier

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The Bachelor of Social Work is a four year, 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 and psychology are compulsory.

This provides a strong base for subsequent studies in social work and social policy.

In years 3 and 4, the program is conducted 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. A structured program of lectures, seminars and skills workshops is provided to resource learning.

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 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 practice and policy; theory, practice and research; theory and practice interdependence;
- an understanding of, and an ability to, articulate the contribution of social work and social policy in working towards social justice;
- a capacity to locate, analyse, use and engage in research in practice;
- an ability to use knowledge effectively to solve problems at different levels of intervention and in a range of workplace contexts;
- 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:

- Senior level Sociology unit of study (8 credit points) (if qualified); or Sociology for Social Work (8 credit points); and
- Social Inquiry Research Methods (8 credit points); and
- Intermediate level Psychology units of study (16 credit points); or Psychology for Social Work 201 and Psychology for Social Work 202 (16 credit points); and
- 16 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:

- Preparation Seminar 301 (6 credit points); and
- IBL unit 1 (6 credit points); and
- IBL unit 2 (6 credit points); and
- Skills Workshop 301 (6 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 Board of Studies in Social Work (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 Board of Studies in Social Work (24 credit points); and
- IBL unit 4 (9 credit points); and
- Integrative Studies 402 (6 credit points).

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. **Session:** 1, Summer. **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 is designed to introduce students to the study of sociology by critically analysing contemporary Australian society. A range of sociological concepts will be presented which challenge the way in which society is organised and understood. Students will be encouraged to analyse existing social phenomena based on sociological concepts and perspectives. Readings will be available.

SCLG 1002 Introduction to Sociology 2

6 credit points. **Session:** 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 Australian society. Topics such as gender, sexuality, ethnicity, multiculturalism, 'social deviance' and family life will be explored. Readings will be available.

Year 2

SCWK 2001 Psychology for Social Work 201

8 credit points. Ms O'Hara. **Session:** 1. **Classes:** 3 lectures + 1 tutorial/week. **Prerequisite:** 48 credit points. **Prohibition:** PSYC 2111–2114. **Assessment:** one 1200 word tutorial process diary, one 3 hr exam, online tutorial participation.

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

This unit of study focuses on theories of psychology which 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) Developmental Psychology, indicating the main patterns of development; and
- (iii) Personality, identifying the major forces in personality theory.

Textbooks

Consult School noticeboard.

SCWK 2002 Psychology for Social Work 202

8 credit points. **Session:** 2. **Classes:** (3 lectures + 1 tutorial)/week. **Prerequisite:** 48 credit points and SCWK 2001 Psychology for Social Work 201. **Prohibition:** PSYC 2111–2114. **Assessment:** one 1200 word tutorial diary entry, one 3 hr exam, online tutorial participation.

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

This unit of study focuses on social psychology, mental health and several contemporary issues of particular relevance to the practice of social work (eg, domestic violence, child abuse, HIV/AIDS, suicide, grief, addiction). Psychological theories and strategies are introduced to assist in an understanding of the complex factors involved.

Textbooks

Consult School noticeboard.

SCWK 2003 Sociology for Social Work

8 credit points. **Session:** 1. **Classes:** two 1-hour lectures and one 1-hour tutorial/week. **Prerequisite:** 48 Junior credit points. **Prohibition:** SCLG 1001 and SCLG 1002. **Assessment:** One essay, one exam and other work as assigned by coordinator.

NB: This unit is only available to students enrolled in the BSW and not completed first year Sociology

This unit is designed to introduce students to the study of sociology by critically analysing contemporary Australian society. A range of sociological concepts will be presented which challenge the way in which society is organised and understood. Students will be encouraged to analyse existing social phenomena based on sociological concepts and perspectives including social structure, commodification, rationalization, power and class.

Textbooks

To be advised at first lecture

SCLG 2521 Social Inquiry: Research Methods

8 credit points. Dr Fran Collyer. **Session:** 2. **Classes:** three hrs/week consisting of one lecture plus one tutorial. **Prerequisite:** SCLG 1001 and SCLG 1002 or SCWK 2003. **Prohibition:** Students may not enrol in

SCLG 2521 if they have previously completed SCLG 2002 Social Inquiry: Research Methods in Sociology. **Assessment:** One take-home exam (20%), one workbook (60%), participation in class exercises (20%).

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 3001 Issue Based Learning unit 1

6 credit points. **Session:** 1. **Classes:** 5hrs/wk. **Prerequisite:** 96 credit points to include – 8 Senior level credit points of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit points; SCWK 2002 or 8 intermediate Psychology credit points. **Corequisite:** SCWK 3002,3003,3004.

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 3002 Issue Based Learning unit 2

6 credit points. **Session:** 1. **Classes:** 5 hrs/wk. **Prerequisite:** 96 credit points to include- 8 Senior credit pts of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit pts; SCWK 2002 or 8 intermediate Psychology credit pts. **Corequisite:** SCWK 3001,3003,3004.

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 3003 Preparation Seminar 301

6 credit points. **Session:** 1. **Classes:** 12 hrs orientation in week 1; 2hrs per fortnight from week 3 to 13. **Prerequisite:** 96 credit points to include- 8 Senior credit pts of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit pts; SCWK 2002 or 8 intermediate Psychology credit pts. **Corequisite:** SCWK 3001,3002,3004.

This unit is designed to introduce students to social work and social policy interventions and to prepare them for field education. Aim is to: orient students to the diversity of the professional practice of social work; overview the final two years of the BSW program (week 1 only); enhance students' understanding of the education processes of years 3 and 4 of the BSW; facilitate students' preparation for placement and for professional practice; and facilitate students' identification of prior learning, capacities and areas for further learning.

SCWK 3004 Skills Workshop 301

6 credit points. **Session:** 1. **Classes:** 3 hrs/week (workshop). **Prerequisite:** 96 credit points to include- 8 Senior credit pts of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit pts; SCWK 2002 or 8 intermediate Psychology credit pts. **Corequisite:** SCWK 3001,3002, 3003.

This unit of study aims to develop the capability of students to practise generic skills in practice and policy such as assessment, advocacy, negotiation, evaluation. This workshop supports the curriculum in the issue based learning units.

SCWK 3005 Field Education 1

24 credit points. **Session:** 2. **Classes:** 2 hrs/fortnight (Monday mornings). **Prerequisite:** SCWK 3001, 3002, 3003 and 3004.

This unit is a compulsory full time field education practicum of 60 days (Tuesday to Friday). For the objectives of the field education program see the School of Social Work and Policy Studies Web site.

Year 4

SCWK 4002 Integrative Studies 402

6 credit points. **Session:** 2b. **Classes:** 12 hours/week (seminars and lectures). **Corequisite:** SCWK 4004, SCWK 4006.

This is the final unit of study of the Bachelor of Social Work program. It is of four weeks duration. Its aim is to consolidate the knowledge and skills gained over the four years of the program.

SCWK 4003 Issue Based Learning unit 3

9 credit points. **Session:** 1a. **Classes:** 12 hours/week (seminars and lectures). **Prerequisite:** SCWK 3005.

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 II A & II B.

SCWK 4004 Issue Based Learning unit 4

9 credit points. **Session:** 2a. **Classes:** 12 hours/week (seminars and lectures). **Corequisite:** SCWK 4002, SCWK 4006.

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 II A & II B.

SCWK 4005 Field Education 2A

15 credit points. **Session:** 1b. **Classes:** 2 hours/fortnight. **Corequisite:** SCWK 4003.

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

SCWK 4006 Field Education 2B

9 credit points. **Session:** 2a. **Classes:** 2 hours/fortnight. **Prerequisite:** SCWK 4005.

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

Table of Bachelor of Social Work units of study

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
Year 1							
SCLG 1001 Introduction to Sociology 1	6						1, Summer
SCLG 1002 Introduction to Sociology 2	6						2
Year 2							
SCWK 2001 Psychology for Social Work 201	8		P 48 credit points. N PSYC 2111–2114. <i>NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.</i>				1
SCWK 2002 Psychology for Social Work 202	8		P 48 credit points and SCWK 2001 Psychology for Social Work 201. N PSYC 2111–2114. <i>NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.</i>				2
SCWK 2003 Sociology for Social Work	8		P 48 Junior credit points. N SCLG 1001 and SCLG 1002. <i>NB: This unit is only available to students enrolled in the BSW and not completed first year Sociology.</i>				1
SCLG 2521 Social Inquiry: Research Methods	8		P SCLG 1001 and SCLG 1002 or SCWK 2003. N Students may not enrol in SCLG 2521 if they have previously completed SCLG 2002 Social Inquiry: Research Methods in Sociology.				2
Year 3							
SCWK 3001 Issue Based Learning unit 1	6		P 96 credit points to include – 8 Senior level credit points of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit points. C SCWK 3002,3003,3004.				1
SCWK 3002 Issue Based Learning unit 2	6		P 96 credit points to include- 8 Senior credit pts of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit pts; SCWK 2002 or 8 intermediate Psychology credit pts. C SCWK 3001,3003,3004.				1
SCWK 3003 Preparation Seminar 301	6		P 96 credit points to include- 8 Senior credit pts of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit pts; SCWK 2002 or 8 intermediate Psychology credit pts. C SCWK 3001,3002,3004.				1
SCWK 3004 Skills Workshop 301	6		P 96 credit points to include- 8 Senior credit pts of Sociology or SCWK 2003; SCLG 2521; SCWK 2001 or 8 intermediate Psychology credit pts; SCWK 2002 or 8 intermediate Psychology credit pts. C SCWK 3001,3002, 3003.				1
SCWK 3005 Field Education 1	24		P SCWK 3001, 3002, 3003 and 3004.				2
Year 4							
SCWK 4002 Integrative Studies 402	6		C SCWK 4004, SCWK 4006.				2b
SCWK 4003 Issue Based Learning unit 3	9		P SCWK 3005.				1a
SCWK 4004 Issue Based Learning unit 4	9		C SCWK 4002, SCWK 4006.				2a
SCWK 4005 Field Education 2A	15		C SCWK 4003.				1b
SCWK 4006 Field Education 2B	9		P SCWK 4005.				2a

4 Education units of study

■ Education Foundations

Education 1 (all Education students)

EDUF 1018 Education, Teachers and Teaching

6 credit points. Kitty Te Riele. **Session:** 1. **Prohibition:** EDUF 1011. **Assessment:** Workshop presentation, academic writing competency exercise, 2500 word project, examination 1hr.

This unit of study is the first part of Education I. Its aim is to provide a general introduction to education and teaching studies in the Bachelor of Education. The three themes covered are: (i) Knowledge, culture and the curriculum, (ii) Teaching as a process and way of life, and (iii) Teachers as learners and researchers: the importance of professional development. There is a field project titled 'Life and work study of a teacher' and a workshop designed to skill students in academic writing. Training is given in Child Protection policy and procedures as required by the New South Wales government for persons working with young people. At the end of this unit of study, students will have made substantial progress towards understanding education, teachers, and the work of teaching in new ways.

EDUF 1019 Human Development and Education

6 credit points. Kitty Te Riele. **Session:** 2. **Prohibition:** EDUF 1012. **Assessment:** Workshop presentation, information technology competency exercises, 2500-word essay, examination 1 hr.

This unit of study is the second part of Education I. Its aim is to provide a general introduction to human development issues relevant to education. Consequently, issues of human development relevant to childhood and youth receive the main attention. There is also twelve hours of seminar on the module 'Introduction to Computers in Education'. Students may be excused this module upon presentation of an academic transcript from a university, TAFE or HSC or equivalent as proof of competency. At the end of this unit of study, students will have made substantial progress towards understanding the human development process, especially as it relates to children and youth, and its significance for effective work by educators. They will also have proven themselves competent in basic skills associated with information technologies.

Science Foundations (Primary students)

EDUF 1016 Science Foundations 1

6 credit points. Dr Armstrong Osborne. **Session:** 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. **Prohibition:** 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 curriculum studies in K–6 Science and Technology. The coursework will consist of four hours per week, made up of lectures and workshop/seminars, an all-day field excursion and self-directed or assigned activities. The units will be taught using the staff and facilities of both the Faculty of Education and Social Work and the Faculty of Science.

Textbooks

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. Dr Armstrong Osborne. **Session:** 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. **Prerequisite:** EDUF 1016 Science Foundations 1. **Prohibition:** 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. Dr Richard Walker. **Session:** 1. **Prerequisite:** EDUF 1011 and EDUF 1012 or EDUF 1018 and EDUF 1019 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. 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. Dr Nigel Bagnall. **Session:** 2. **Prerequisite:** EDUF 1011 and EDUF 1012 or EDUF 1018 and EDUF 1019 or 30 junior credit points. **Assessment:** Workshop presentations, policy competency exercise, 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, globalisation'. At the end of this unit of study, students should have the capacity to discuss the impact of a range of educational practices and policies on communities of students and families. Similarly, students will be familiar with broad movements in contemporary educational reform and the association with national and global economic change. As a result of working collaboratively on a substantial project students will develop a range of research skills. Training is provided in the following Department of Education and Training policies and procedures, Aboriginal Education, Anti-Racism and Gender Equity.

Education 3 (all Education students)

EDUF 3001 Psychology of Learning and Teaching

4 credit points. Dr Richard Walker. **Session:** 2. **Prerequisite:** 40 credit points. **Assessment:** One 2000w essay, individual oral tutorial presentation (group written).

NB: Strongly recommended that students have completed EDUF 2005 or EDUF 2006 Educational Psychology

This unit of study examines three themes from current research on teaching and learning 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) Changing Conceptions of Intelligence, Creativity, and Critical Thinking.

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 three lectures on each of the themes, students present the results of their collaborative self-directed research on one of the themes in a series of Forums held in the last three weeks of the unit of study. At the completion of the unit students will be able to:

- (a) Analyse, synthesise, and draw conclusions from theory and research in each of the three themes considered.
- (b) Derive educational implications and applications for an educational level (eg, primary, secondary) of interest to the student.
- (c) Demonstrate the skills involved in self-directed learning.
- (d) Demonstrate competence in oral and written communication skills.

These outcomes will be assessed through written and oral tutorial work and essay questions.

EDUF 3002 Adolescent Development

4 credit points. Dr Laurel Bornholt. **Session:** 2a. **Prerequisite:** EDUF 1019 Human Development and Education or PSYC 1001 & PSYC 1002. **Assessment:** Small group report 3000 words (40%) and 1hr exam (60%).

This unit of study provides an introduction to adolescent psychological development. The main aims are to promote understanding of the diversity of adolescent development and to address current issues that are relevant to Australian adolescent in the contexts of their families, schools and communities. The lectures provide a broad overview of theories and research on adolescent development, within a socio-ecological approach to cognitive, physical and social development. Tutorials explore particular issues in depth, with small group reports on topics that are of interest to students.

EDUF 3003 Evaluation and Measurement in Education

4 credit points. Dr Rachel Wilson. **Session:** 2. **Prerequisite:** 40 credit points. **Assessment:** One assignment and one 1500w essay.

NB: Strongly recommended that students have completed EDUF 2005 or EDUF 2006 Educational Psychology.

This unit will provide some theoretical background in traditional and current assessment and reporting practices. It will deal with some of the current issues in assessment, and will emphasise critical reflection on students' own extensive experience of being evaluated. Assessment principles, purposes and processes will be introduced at a level useful to the classroom practitioner. No background in statistics is necessary for the course. We will be concerned primarily with the evaluation and measurement of student performance from the viewpoint of the teacher rather than that of the researcher. The emphasis will be on understanding and qualitative issues rather than on computation and quantitative techniques: these latter will be introduced only to provide a basis for concepts of reliability and the effects of mark standardisation and moderation. Students who complete the unit of study successfully will:

- a) be able to plan effective evaluation processes for courses, and make informed judgements about existing schemes as well as developing their own schemes.
- b) have developed a basic understanding of methods of evaluating student performance, and skill in analysing classroom tests, performance assessments and assessment schemes.
- c) have developed some skills in constructing objective, short-answer and essay tests.
- d) have critically reflected on their own experience and applied resultant understanding to planning and evaluating evaluation methods and schemes.

EDUF 3014 Cross Cultural Fieldwork in Education

4 credit points. Dr Tim Allender. **Session:** 1 Intensive. **Prerequisite:** 40 credit points. **Assessment:** Tutorial presentation, analytic paper, a reflective journal based on the fieldwork experience and completion of 10 days field experience.

NB: Department permission required for enrolment.

Departmental permission required for entry into this unit

The unit designed for students who are interested in education in different cultural settings. The course will deal with some of the recent comparative education literature concerning curriculum development, middle school, assessment protocols, school and community development and the like in different educational settings. The unit will also explore, by way of comparative analysis, the historical precursors of different schooling systems. Students will be invited to assess the likely cultural, social and international meanings of their experience. The field work experience will be negotiated with staff. In many cases, students will need to arrange their own field experience.

EDUF 3017 Curriculum: A Cultural Construct

4 credit points. Associate Professor Robyn Ewing. **Session:** 2. **Prerequisite:** 40 credit points. **Assessment:** Two assignments (1000w each), group project and presentation.

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 and their history and curriculum as storylines. Important concepts include curriculum stakeholders and ideologies, curriculum construction and deconstruction, and curriculum as a social construct. Curriculum work is central to the responsibilities of classroom teachers. This unit provides an opportunity to pre-service teachers to consider the idea and processes of curriculum in schooling and society more generally beyond narrow subject specialisation.

EDUF 3021 Special Education: Inclusive Schools

4 credit points. Associate Professor David Evans. **Session:** 1, 1b, 2a, 2b. **Classes:** Lecture & tutorial program plus a field study placement of 20hrs. Sem 1 for B.Ed (Primary) students. Sem 2 for B.Ed (HMHE) students and Combined Degree students. **Prerequisite:** 40 credit points. **Assessment:** This will include a collaborative presentation, an academic paper, and a field study report.

This unit of study introduces students to the study of the integration and inclusion of students with special needs, in accordance with the mandatory requirements of the NSW Department of School Education for pre-service teacher education. It is designed to provide an understanding of the reasons for inclusion of students with disabilities in regular schools, and the strategies that can be used to optimise their educational experiences.

At the completion of this unit of study it is expected that students should be able to:

1. discuss the reasons for the inclusion of students with disabilities, learning difficulties and behaviour disorders in regular education classrooms;
2. Demonstrate an awareness of disability issues, legislation and government policies relating to students with special education needs;
3. Demonstrate a familiarity with the support cycle procedures and the support services available to teachers of students with special needs;
4. Demonstrate a basic knowledge of assessment requirements, effective teaching strategies and practices, and curriculum requirements appropriate for improving the educational outcomes of students with disabilities, learning difficulties and behaviour disorders.

EDUF 3112 Sports, Leisure and Youth Policy

4 credit points. Dr Tim Allender. **Session:** 1. **Prerequisite:** 40 credit points. **Assessment:** Tutorial presentation, follow-up essay (1500w) and exam(1hr).

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. Postmodern approaches are also considered such as the reconfiguration of the work/leisure dichotomy, transformations of the age cycle, youth as an ageless phenomenon, youth movements as reactions against adolescent sexuality.

EDUF 3114 Education Programs in Industrial Nations

4 credit points. Dr Nigel Bagnall. **Session:** 2. **Prerequisite:** 40 credit points. **Assessment:** One 1hr exam, one 1500w essay, tutorial presentation.

This unit of study helps place Australian education in a global context. It looks at the trends emerging in the OECD member countries and shows how these act upon not only formal education settings such as schools and universities but affect such areas as youth school to work transition, life long learning and technical and vocational education. The problems facing educators of the twenty first century are as much involved in demographic developments and global forces beyond the control of politicians and students as they are with the provision of compulsory schooling. Formal schooling continues to provide a starting point rather than an end point for all members of society with life long learning the rule rather than the exception. Student assessment will be based on the demonstration of a sound understanding of the themes developed during the course. Student arguments will be backed up by reference to educational research and will demonstrate an ability to integrate data and argument from diverse sources.

EDUF 3115 Constructing Self and Knowledge

4 credit points. Dr Marjorie O'Loughlin. **Session:** 1, 2. **Prerequisite:** 40 credit points. **Assessment:** Minor assignment (1000 words): 20%. Major assignment (2000 words): 40%. Examination (1hr): 40%.

This unit of study takes a critical perspective on two concepts central to our understanding of education: the 'self' or individual and 'knowledge'. Assuming that in some significant ways both are socially constructed, the course presents a variety of theoretical and research resources for understanding recently developed ways of looking at educational phenomena as social and historical discursive practice.

EDUF 3121 Ethics and Education

4 credit points. Dr Jim Mackenzie. **Session:** 1. **Prerequisite:** 40 credit points. **Assessment:** 2hr exam, seminar presentation, and classwork.

The assessment tasks will be designed to extend student skills in foundational knowledge, literacy, critical thinking, and knowledge, as listed in the Rationale for Education I, II, III. This unit of study will aim to develop in candidates a number of attributes which derive from studying a number of contemporary issues and dilemmas for ethics and education. The topics covered will require participants to enter into the debate about the role of ethical considerations in educational work and to locate their discussion and analysis within philosophical traditions and practical educational contexts. Topics will include the teaching of ethical reasoning, school discipline, bias, friendship, autonomy, moral development, religious education, and political education.

EDUF 3124 International and Development Education

4 credit points. Associate Professor Phillip Jones. **Session:** 1. **Prerequisite:** 40 credit points. **Assessment:** Exam (1hr), 1500w essay, classwork.

NB: Department permission required for enrolment.

This unit of study will explore the relationships between education and development in the less developed areas of the world. The unit of study will acknowledge the importance of a broad-ranging view of development, including its economic, cultural and technological dimensions. The major part of the unit of study examines several key issues facing many less-developed countries today. A major underpinning theme is this: if so many people are questioning the relevance of western education in non-western cultures, then why does the demand for western education remain insatiable? A block of independent IT-assisted modules will be included in this unit.

EDUF 3132 Australian Secondary Schooling

4 credit points. Dr Craig Campbell. **Session:** 1. **Prerequisite:** 40 credit points. **Assessment:** One major (2000w) and one minor paper (1000w) and examination (1hr).

This course places Australian secondary education in perspective as a local and unique adaptation of traditions of secondary

education stemming from Britain and the United States. An important theme to be developed will be the nature of the historical transformation of secondary schooling as it ceased to be an education for the few and became compulsory for all. We ask questions such as these: How have state high, private and corporate schools developed differently? Who has gone to different kinds of secondary schools over the last hundred years and why? What did Australian schools develop independently and what did they adapt from Britain and North America? How have girls and boys been educated differently and why? How have different social groups sought to adapt secondary schools for their own needs? Where does the modern secondary curriculum come from and whom does it serve? How has the rise of mass secondary schooling changed the experience of adolescence?

EDUF 3134 Developing Gendered Identity

4 credit points. Dr Tim Allender. **Session:** 1. **Prerequisite:** 40 credit points. **Assessment:** Class presentation, follow-up paper (1000w), main essay (2000w).

This unit of study explores themes and issues on gendered development, the construction of 'masculine' and 'feminine' identities, and the discursive frameworks within which these constructions are inscribed. It examines the developmental phases through which gendered individuals pass and critically assesses the different forms that gender takes. The unit draws upon a rich theoretical base and current research findings to assist students to gain a comprehensive understanding of a crucial theme in education at the present time.

■ Honours: Secondary; combined degrees and Human Movement & Health Education

(see EDUP listing for Primary Honours units)

EDUF 3205 Beginning Educational Research

4 credit points. Angela Thomas. **Session:** 1. **Assessment:** Critical review 2000w.

NB: Department permission required for enrolment. Credit average across EDUF 2006 and EDUF 2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.

This first Honours course aims to introduce students to educational research. Students will develop critical awareness of the social, educational and epistemological role of educational research, enabling them to think of themselves as consumers and practitioners of educational research, and providing the conceptual basis for a broad and flexible understanding and practice. A credit result for this course is required for students to be permitted to continue onto the next Honours course.

For further information see the Honours Web site located at: www.edfac.usyd.edu.au/courses/undergrad/honours.html

EDUF 3206 Methodologies and Educational Research

4 credit points. Angela Thomas. **Session:** 2. **Prerequisite:** Credit or higher in EDUF 3205. **Assessment:** Methodology critique, mini-proposal and full proposal.

NB: Department permission required for enrolment.

The second Honours course deals with more advanced and specialised work in research methods. Students will choose four methodology modules from the 11 offered, with a final fifth module and an ethics workshop being proscribed. This last module is intended to support students' development of a research proposal for their thesis to be undertaken in Year 4 or Year 5 for combined degree students.

For further information see the Honours Web site located at: www.edfac.usyd.edu.au/courses/undergrad/honours.html

EDUF 3207 Educational Psychology Research Seminar 1

4 credit points. Dr Richard Walker. **Session:** 1. **Prerequisite:** Credit average across EDUF 2006 and EDUF 2007 and a credit average across some other coherent set of 16 credit points. **Corequisite:** EDUF 3205 and EDUF 3206.

NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol

EDUF 3208 Educational Psychology Research Seminar 2

4 credit points. Dr Richard Walker. **Session:** 2. **Prerequisite:** EDUF 3207 Educational Psychology Research Seminar 1.

EDUF 3209 Social Policy Research Seminar 1

4 credit points. **Session:** 1. **Prerequisite:** Credit average across EDUF 2006 and EDUF 2007 Credit average across some other coherent set of 16 credit points. **Corequisite:** EDUF 3205 and EDUF 3206.

NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.

EDUF 3210 Social Policy Research Seminar 2

4 credit points. **Session:** 2. **Prerequisite:** EDUF 3209 Social Policy Research Seminar 1.

NB: NB: Only students doing Education Honours from other faculties are eligible to enrol.

EDUF 4042 Secondary Special Course Honours A

4 credit points. Angela Thomas. **Session:** 1. **Prerequisite:** Credit or higher in EDUF 3206.

NB: Department permission required for enrolment.

There is no coursework per se in the final Honours year, with the writing of the Honours thesis comprising eduf 4052 and eduf 4053. The Honours thesis involves investigation of a topic chosen by students and supervised by a faculty member. The thesis will not normally exceed 15000 words. For further information consult the Honours Web site for detailed information: www.edfac.usyd.edu.au/courses/undergrad/honours.html

EDUF 4043 Secondary Special Course Honours B

4 credit points. Angela Thomas. **Session:** 2. **Prerequisite:** Credit or higher in EDUF 3206.

NB: Department permission required for enrolment.

For further information see EDUF 4042.

EDUF 4215 Education Honours 1

24 credit points. Dr Richard Walker. **Session:** 1. **Prerequisite:** EDUF 3205 and EDUF 3206 and EDUF 3207 and EDUF 3208 and 12 credit points from the following: EDUF 3001, EDUF 3002, EDUF 3003, EDUF 3005, EDUF 3112, EDUF 3114, EDUF 3121, EDUF 3124, EDUF 3132, EDUF 3134, EDUF 3141, EDUF 3021.

NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.

EDUF 4216 Education Honours 2

24 credit points. Dr Richard Walker. **Session:** 2. **Prerequisite:** EDUF 3205 and EDUF 3206 and EDUF 3207 and EDUF 3208 and 12 credit points from the following: EDUF 3001, EDUF 3002, EDUF 3003, EDUF 3005, EDUF 3112, EDUF 3114, EDUF 3121, EDUF 3124, EDUF 3132, EDUF 3134, EDUF 3141, EDUF 3021.

NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.

EDSE 5003 Honours Thesis I

4 credit points. Angela Thomas. **Session:** 1. **Prerequisite:** Credit or higher in EDUF 3206 Methodologies and Educational Research. **Assessment:** Satisfactory completion of: research proposal, ethics, presentation, draft thesis chapter, and progress report.

NB: Department permission required for enrolment.

This unit of study provides students with the opportunity to carefully plan and consider all aspects of the selected research topic, including issues such as: knowledge about the field of research, knowledge about the current theories and issues in the field, the ethical considerations to be addressed in such research, and methodological issues related to the chosen topic and plan for the research.

EDSE 5004 Honours Thesis II

12 credit points. Angela Thomas. **Session:** 2. **Prerequisite:** EDSE 5003 Honours Thesis I. **Assessment:** Thesis (approx. 15 000–20 000 words).

NB: Department permission required for enrolment.

This unit of study provides the opportunity for students to continue their individual research projects to completion. At this stage, students will be involved in conducting their research and collecting data, followed by the written documentation of their project, into a final Honours thesis.

■ Secondary: Combined Degrees (BEd/BA, BEd(Maths)/BSc, BEd(Sc)BSc**Year 2 Professional Studies (compulsory units)****EDSE 4001 Information Technology in the Classroom**

4 credit points. Mr Neville Goodwin & Mr David Reid. **Session:** 1, 2. **Prerequisite:** 12 Credit points of Education. **Assessment:** Design and production of a classroom oriented Web site (40%) a presentation package (30%), a classroom appropriate database (30%).

This course and the others that relate to it (see EDSE 4002, IT Curriculum Project) are designed to provide graduates with the knowledge, skills and attitudes identified in the Ministerial Advisory Council on the Quality of Teaching report Computer Proficiency for Teachers (1997) and mandated by employing authorities. Teachers require expertise in the production of classroom relevant resources, especially web based content and interactive resources. Presentation software provides more than simple 'electronic slides' opportunities, and may assist teachers to develop simple Web sites and sophisticated paper based material.

Year 3 Professional Studies (compulsory units)**EDSE 3002 Craft Knowledge and Prof Practices 1**

8 credit points. Ms Llian Merritt. **Session:** 1a. **Classes:** 8hrs/wk. **Prerequisite:** 48 credit points including 18 credit points of Education. **Assessment:** Participating in tutorials reflecting on visits to Educational Institutions (30%), Web-site discussion (30%), 2000 word 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 style. The unit of study aims to not only promote the learning of essential skills but to facilitate the students' initiation into professional practices.

EDSE 3003 Professional Experience 1

4 credit points. Margaret Freund. **Session:** 1b. **Prerequisite:** 48 credit points including 18 credit points of Education. **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.

Year 3 Curriculum units**EDSE 3037 Teaching Visual Arts 1A**

6 credit points. Marianne Hulsbosch. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 18 credit points of Education + 12 junior credit pts of Art History and Theory. **Corequisite:** Practical art course taken at The Tin Sheds. **Assessment:** Reflective essay, practical projects.

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 1B

6 credit points. Marianne Hulsbosch. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 18 credit points of Education & 12 junior credit pts of Art History and Theory. **Corequisite:** 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 3005 Teaching Visual Arts 2A

4 credit points. Marianne Hulsbosch. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3037 Teaching Visual Arts 1A & practical art course taken at The Tin Sheds. **Corequisite:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans, In-school observation report.

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. Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences for Stages 4 and 5.

EDSE 3039 Teaching Visual Arts 2B

4 credit points. Marianne Hulsbosch. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3037 Teaching Visual Arts 1A & EDSE 3038 Teaching Visual Arts 1B and Practical art course taken at The Tin Sheds. **Corequisite:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans, In-school observation report, Student evaluation program, Practical projects.

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. Carmel Young, Dr Tim Allender. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 48 credit pts including 18 credit pts of Education. **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 3007 Teaching History 2

4 credit points. Carmel Young, Dr Tim Allender. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3006 History Curriculum 1 or EDSE 3040 Teaching History 1. **Assessment:** Task 1- Peer teaching presentation-40%, Task 2- Empathy in history – 60%.

Module A: This module aims to introduce students to a range of source-based experiential approaches to history teaching and learning. It is also intended to provide the opportunity for individuals to pursue a topic of historical interest, to consider the various ways in which this topic may be represented in the history classroom, and work collaboratively in the development of teaching and learning materials. 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 3041 Teaching Geography 1

6 credit points. Dr Kevin Laws. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 48 credit pts including 18 credit pts of Education. **Assessment:** Students will develop a unit overview, lesson plans (including one based upon a Web site), 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 3009 Teaching Geography 2

4 credit points. Dr Kevin Laws. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3008 Geography Curriculum 1 or EDSE 3041 Teaching Geography 1. **Assessment:** Students will complete weekly tasks based on specific geographical tools and skills.

This module is designed to develop students' understanding of geographical tools and skills. A variety of maps, graphs and statistics, and photographs will be used to investigate the components of planning a sequence of skill development through the use of geographical tools. 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 everyday phenomena.

EDSE 3042 Teaching Drama 1

6 credit points. Dr J Hughes, Dr M Anderson. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 48 credit pts including 18 credit pts of Education and 16 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.

EDSE 3011 Teaching Drama 2

4 credit points. Dr J Hughes, Dr M Anderson. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3010 Drama Curriculum 1 or EDSE 3042 Teaching Drama 1 + 16 credit points of Performance Studies. **Assessment:** Assessment is based on the analysis of HSC documents, development of teaching resources and implementation of teaching praxis.

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. Dr Ken Cruickshank. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 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 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.

EDSE 3013 Teaching TESOL 2

4 credit points. Dr Ken Cruickshank. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3012 TESOL Curriculum 1 or EDSE 3043 Teaching TESOL 1 + 28 credit pts of either English, Linguistics or Languages. **Assessment:** The assessment tasks include the development of a teaching portfolio and the class presentations of student research.

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. Dr Dennis Robinson, Dr Jacqueline Manuel. **Session:** 1b. **Classes:** 4hrs/wk. **Prerequisite:** 48 credit points including 18 credit points of Education. **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 3015 Teaching English 2

4 credit points. Dr Dennis Robinson, Dr Jacqueline Manuel. **Session:** 2. **Classes:** 4hrs/wk. **Prerequisite:** EDSE 3044 Teaching English 1 or EDSE 3014 English Curriculum 1. **Assessment:** Assessment will take the form of (1) a unit of work to be taught to a nominated class level (2) a piece of work relating to either Adolescent Fiction or Senior English.

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. Dr Judy Anderson. **Session:** 1b. **Classes:** 3hrs/wk. **Prerequisite:** 18 credit points of Education and 20 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 1B

6 credit points. Dr Judy Anderson. **Session:** 1b. **Classes:** 3hrs/wk. **Prerequisite:** 18 credit points of Education and 20 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 3018 Teaching Mathematics 2A

4 credit points. Dr Judy Anderson. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDSE 3045 Teaching Mathematics 1A or EDSE 3016 Mathematics Curriculum 1A. **Assessment:** 1. Planning a unit of work with appropriate assessment strategies from either the Data, Measurement, or Space and Geometry strands from the Mathematics Years 7–10 Syllabus. 2. Planning a set of lessons for a Year 7–10 class.

This unit of study focuses upon the learning and teaching of Data, Measurement, and 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 3019 Teaching Mathematics 2B

4 credit points. Dr Judy Anderson. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDSE 3045 Teaching Mathematics 1A or EDSE 3016 Mathematics Curriculum 1A and EDSE 3046 Teaching Mathematics 1B

or EDSE 3017 Mathematics Curriculum 1B. **Assessment:** 1. Assess a student with special needs. 2. Review the research in a particular area of mathematics.

This unit of study focuses on the role of the mathematics teacher in planning for students with specific learning needs in the junior high school years. 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 LOTE 1A

6 credit points. Dr Lesley Harbon. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 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 LOTE 1B

6 credit points. Dr Lesley Harbon. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 18 credit pts of Education + 28 credit 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 3022 Teaching LOTE 2A

4 credit points. Dr Lesley Harbon. **Session:** 2. **Prerequisite:** EDSE 3020 LOTE Curriculum 1A or EDSE 3047 Teaching LOTE 1A. **Assessment:** Assessment will be based on two assignments, lesson planning and reflection via written entries on an electronic Discussion Board.

This unit is designed to build on curriculum unit Teaching LOTE 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.

EDSE 3023 Teaching LOTE 2B

4 credit points. Dr Lesley Harbon. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3047 Teaching LOTE 1A or EDSE 3020 LOTE Curriculum 1A & EDSE 3048 Teaching LOTE 1B or EDSE 3021 LOTE Curriculum 1B. **Assessment:** Assessment will be based on 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. 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 languages education.

EDSE 3049 Teaching Computer Studies 1

6 credit points. Tony Sperring, Luis Esteban. **Session:** 1b. **Classes:** 4hrs/wk. **Prerequisite:** 18 credit points of Education + 20 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, data(storage and communication), user interfaces, instructions (including 'if-then'), errors, testing, and otherwise viewing a computer as a system. This unit focuses on methods of teaching with particular focus on activities and projects which holistically 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 3025 Teaching Computer Studies 2

4 credit points. Tony Sperring, Luis Esteban. **Session:** 2. **Classes:** 4hrs/wk. **Prerequisite:** EDSE 3049 Teaching Computer Studies 1 or EDSE 3024 Computer Studies Curriculum 1. **Assessment:** Class presentations, report, examinations, research, program design.

This unit of study focuses on the teaching of both the Information Technology and Processes and Software design and Development Higher School Certificate courses. Content such as the nature of information systems, systems design, project work, transaction processing, algorithms and program code, social and ethical issues in software design, operating systems, and optional modules such as the evolution of programming languages and the software developer's view of hardware will receive extended coverage in the context of designing appropriate learning experiences. Where possible ICT will be used to exemplify concepts, practices, and approaches in the computer classroom.

EDSE 3050 Teaching Commerce/Economics 1

6 credit points. Mike Horsley. **Session:** 1b. **Classes:** 2hrs/wk. **Prerequisite:** 48 credit pts including 18 credit pts of Education. **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 3029 Teaching Commerce/Economics 2

4 credit points. Mike Horsley, Llian Merritt. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3028 Commerce/Economics Curriculum 1 or EDSE 3050 Teaching Commerce/Economics 1. **Assessment:** Preparation of a Business Plan, Preparation of an Economics program.

The two modules of Business Studies/Economics Module 2 and 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 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 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. Tony Sperring. **Session:** 1b. **Classes:** 5hrs/wk. **Prerequisite:** 12 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 alex.edfac.usyd.edu.au/Methods/Science/

EDSE 3031 Teaching Science 2 (Core)

4 credit points. Tony Sperring. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDSE 3051 Teaching Science 1 (Core) or EDSE 3030 Science Curriculum 1 (Core). **Assessment:** Assessment will be based on one assignment and seminar presentation, and a professional portfolio.

This unit of study builds upon the work done in the prerequisite course Teaching Science 1 (Core). The unit is designed to develop students' understandings of: i. the nature of science teaching and children's learning of science, in the context of contemporary research and classroom practices, ii. the planning of science teaching and learning activities, in individual lessons and units of work, iii. the interpretation and implementation of syllabus aims, objectives, outcomes and content guidelines as well as school and system policies and regulations, iv. the integration of individual science disciplines within a multidisciplinary science curriculum. The course outline for this unit will be placed on the Internet at alex.edfac.usyd.edu.au/methods/science/

EDSE 3052 Teaching Science Elective (Chemistry)

6 credit points. Tony Sperring. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** 12 credit points of Chemistry & 12 credit points of Mathematics & 18 credit points of Education. **Corequisite:** EDSE 3051 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 alex.edfac.usyd.edu.au/Methods/Science/doubledegree.htm.

EDSE 3053 Teaching Science Elective (Senior Sci)

6 credit points. Mike Gunnourie. **Session:** 1b. **Classes:** 4hrs/wk. **Prerequisite:** 24 credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 18 credit points of Education. **Corequisite:** EDSE 3051 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 alex.edfac.usyd.edu.au/Methods/Science/

EDSE 3054 Teaching Science Elective (Biology)

6 credit points. Ian Stevens. **Session:** 1b. **Classes:** 4hrs/wk. **Prerequisite:** 12 credit points Biology and 18 credit points of Education. **Corequisite:** EDSE 3051 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 alex.edfac.usyd.edu.au/Methods/Science/

Year 4 Professional Studies (compulsory units)**EDSE 4001 Information Technology in the Classroom**

4 credit points. Mr Neville Goodwin & Mr David Reid. **Session:** 1, 2. **Prerequisite:** 12 Credit points of Education. **Assessment:** Design and production of a classroom oriented Web site (40%) a presentation package (30%), a classroom appropriate database (30%). This course and the others that relate to it (see EDSE 4002, IT Curriculum Project) are designed to provide graduates with the

knowledge, skills and attitudes identified in the Ministerial Advisory Council on the Quality of Teaching report Computer Proficiency for Teachers (1997) and mandated by employing authorities. Teachers require expertise in the production of classroom relevant resources, especially web based content and interactive resources. Presentation software provides more than simple 'electronic slides' opportunities, and may assist teachers to develop simple Web sites and sophisticated paper based material.

EDSE 4002 Information Tech Curriculum Project

4 credit points. Mr Tony Sperring. **Session:** 2. **Classes:** 24 hours: 2 hours per week over 12 weeks. **Prerequisite:** 48 credit points including 18 credit points of Education. **Assessment:** Assessment will be based on an IT project in one of the student's curriculum areas.

This unit of study 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 in schools. Working in their curriculum method groups, students will have the opportunity to investigate the uses of ICT in their curriculum area, analyse and evaluate information technologies, interfaces, software and hardware which are relevant to teaching and learning in their curriculum area, 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. 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.

EDSE 4003 Craft Knowledge and Prof Practices 2

8 credit points. Llian Merritt. **Session:** 2. **Classes:** 8hrs/wk. **Prerequisite:** EDSE 3002 Craft Knowledge and Professional Practices 1. **Assessment:** i. A reflection on Practice (30%), ii. Participation in a Web-site discussion, during the practicum (40%), iii. 2000 word assignment (30%).

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 4004 Professional Experience 2

4 credit points. Margaret Freund. **Session:** 2a. **Prerequisite:** EDSE 3003 Professional Experience 1. **Assessment:** Evaluation will be through completion of a satisfactory report.

This unit will extend professional experiences in schools and other learning contexts. Students will undertake block teaching with a focus on both the individual classroom and the wider education community.

Practical: 25 Days in School

EDSE 4005 Technology Professional Experience

4 credit points. Margaret Freund. **Session:** 2b. **Prerequisite:** 96 credit points including 52 credit points of Education and EDSE 3003 Professional Experience 1. **Corequisite:** EDSE 4004 Professional Experience 2 & EDSE 4002 Information Tech Curriculum Project.

Assessment: Evaluation will be through completion of a satisfactory report.

This is the third school experience in this program. The main focus is to allow the student teacher to use, apply and embed information technology in their teaching. During this Professional Experience the student teacher will be also expected to assume a greater awareness of the diversity of students in their classes, and the teacher's role in caring for them.

Practical: 20 Days

Year 4 Curriculum units

EDSE 4006 Visual Arts Curriculum 3

4 credit points. Marianne Hulsbosch. **Session:** 1a. **Prerequisite:** EDSE 3005 Visual Arts Curriculum 2 Practical art course taken at the Tin Sheds Advanced practical art course taken at the Tin Sheds. **Assessment:** Individual student HSC program, Senior Visual Art program, In-school observation report, Body of Work.

This course 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. 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 4007 History Curriculum 3

4 credit points. Carmel Young, Dr Tim Allender. **Session:** 1a. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3006 History Curriculum 1 & EDSE 3007 History Curriculum 2. **Assessment:** Assessment tasks will include 1. Individual class presentations 20%, 2. Group presentations 20%, 3. A major assignment which incorporates the planning and mapping of a unit of work 60%.

History Curriculum Core 3 is designed to develop 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 in which higher-order skills may be developed in response to the demands of the new Extension History Syllabus.

EDSE 4008 Geography Curriculum 3

4 credit points. Dr Kevin Laws. **Session:** 1a. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3008 Geography Curriculum 1 & EDSE 3009 Geography Curriculum 2. **Assessment:** Students will plan a unit of work, develop a student handout related to the Senior Geography Project, and plan a field trip.

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 Geography Curriculum 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 4009 Drama Curriculum 3

4 credit points. Dr J Hughes, Dr M Anderson. **Session:** 1a. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3010 Drama Curriculum 1 & EDSE 3011 Drama Curriculum 2 + 12 credit points of Performance Studies. **Assessment:** Assessment is based on the preparation and analysis of their own performance in a public venue and on research based on teaching 7–10 drama classes.

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 4010 TESOL Curriculum 3

4 credit points. Dr Ken Cruickshank. **Session:** 1a. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3012 TESOL Curriculum 1 & EDSE 3013 TESOL Curriculum 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 4011 English Curriculum 3

4 credit points. Dr Dennis Robinson & Dr Jacqueline Manuel. **Session:** 1a. **Classes:** 4hrs/wk. **Prerequisite:** EDSE 3015 English Curriculum 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 in some depth. Options available and when they will be offered will be discussed with tutors at the beginning of the course. At the end of the unit students will have the opportunity to review their course and discuss their views with tutors and year students.

EDSE 4012 Mathematics Curriculum 3A

4 credit points. Dr Judy Anderson. **Session:** 1a. **Classes:** 3hrs/wk. **Prerequisite:** EDSE 3018 Mathematics Curriculum 2A. **Assessment:** By assignment (80%) and class participation and presentation (20%). 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 required for this course is quite new and requires the teacher to be confident in using graphic calculators and spreadsheets where required. New processes such as modelling and analysis of financial spreadsheets are also examined. Outcomes Based Assessment is also examined using this new course as an exemplar.

EDSE 4013 Mathematics Curriculum 3B

4 credit points. Dr Judy Anderson. **Session:** 1a. **Classes:** 3hrs/wk. **Prerequisite:** EDSE 3018 Mathematics Curriculum 2A and EDSE 3019 Mathematics Curriculum 2B. **Assessment:** By assignment (80%) and class participation and presentation (20%). 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. 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 4014 LOTE Curriculum 3A

4 credit points. Dr Lesley Harbon. **Session:** 1a. **Prerequisite:** EDSE 3022 LOTE Curriculum 2A. **Assessment:** One written assignment and one lesson unit. This unit will focus on curriculum planning and programming for the Languages classroom. It will examine a number of pedagogical and practical issues related with the writing of work programs, development and evaluation of teaching and assessment tasks as well as the relationship between teaching and assessing. The principles and mechanisms of programming and assessment will be identified to provide a framework for participants to develop a short program for Languages. While a range of different methods in assessment and evaluation will be explored, the focus will be on the standards-referenced approach adopted in NSW school curriculums. Other topics such as proficiency scales and reporting against standards will also be considered.

EDSE 4015 LOTE Curriculum 3B

4 credit points. Dr Lesley Harbon. **Session:** 1a. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3022 LOTE Curriculum 2A & EDSE 3023 LOTE Curriculum 2B. **Assessment:** One written assignment and one lesson unit. Programs writing for Languages demands high level skills, which involves a knowledge of syllabus, other curricular requirements set by educational institutions, as well as the ability to translate these requirements into school work programs. This unit of study aims to further develop students' understanding of principles of programming through evaluating a school Languages program. In the process of analysis students will need to see that all mandatory statements from syllabus documents such as NSW Board of Studies Syllabuses (2000) have been considered. This exercise will also enable students to develop the competence in evaluating a program at three levels: external (claims by the writer), internal (program contents) and local (syllabus requirements).

EDSE 4016 Computer Studies Curriculum 3

4 credit points. Tony Sperring, Luis Esteban. **Session:** 1a. **Classes:** 4hrs/wk. **Prerequisite:** EDSE 3025 Computing Studies Curriculum 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 4018 Commerce/Economics Curriculum 3

4 credit points. Mike Horsley, Llian Merritt. **Session:** 1a. **Classes:** 2hrs/wk. **Prerequisite:** EDSE 3028 Commerce/Economics Curriculum 1 & EDSE 3029 Commerce/Economics Curriculum 2. **Assessment:** Module a. Globalisation Teaching program for Economics and Business Studies (50 %); Module b. Legal Studies Teaching Folder including (50 %). This unit Commerce/Economics Curriculum 3 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 4019 Science Curriculum 3 (Core)

4 credit points. Tony Sperring. **Session:** 1a. **Classes:** 4hrs/wk. **Prerequisite:** EDSE 3031 Science Curriculum 2 (Core). **Assessment:** Assessment will be based on an essay and a seminar 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 alex.edfac.usyd.edu.au/Methods/Science/doubledegree.htm

EDSE 4020 Science Curriculum 4 (Sci Hist & Phil)

4 credit points. Tony Sperring. **Session:** 1. **Prerequisite:** EDSE 3031 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 alex.edfac.usyd.edu.au/Methods/Science/doubledegree.htm

Year 5 Professional Studies (Compulsory units)**EDSE 5007 Internship 2**

8 credit points. Margaret Freund. **Session:** 1, 2b. **Prerequisite:** 96 credit points including 52 of Education and EDSE 3003 Professional Experience 1, EDSE 4004 Professional Experience 2 and EDSE 4005 Internship 1.

NB: Department permission required for enrolment in Session 1. 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. Dr Ken Cruickshank. **Session:** 2. **Classes:** 5hrs/wk. **Prerequisite:** 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 EDSE 5002 TESOL Professional Experience.

EDSE 5002 TESOL Professional Experience

4 credit points. Dr Ken Cruickshank. **Session:** 2. **Prerequisite:** 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 5003 Honours Thesis I

4 credit points. Angela Thomas. **Session:** 1. **Prerequisite:** Credit or higher in EDUF 3206 Methodologies and Educational Research. **Assessment:** Satisfactory completion of: research proposal, ethics, presentation, draft thesis chapter, and progress report.

NB: Department permission required for enrolment.

This unit of study provides students with the opportunity to carefully plan and consider all aspects of the selected research topic, including issues such as: knowledge about the field of research, knowledge about the current theories and issues in the field, the ethical considerations to be addressed in such research, and methodological issues related to the chosen topic and plan for the research.

EDSE 5004 Honours Thesis II

12 credit points. Angela Thomas. **Session:** 2. **Prerequisite:** EDSE 5003 Honours Thesis I. **Assessment:** Thesis (approx. 15 000–20 000 words).

NB: Department permission required for enrolment.

This unit of study provides the opportunity for students to continue their individual research projects to completion. At this stage, students will be involved in conducting their research and collecting data, followed by the written documentation of their project, into a final Honours thesis.

EDSE 5005 The Teacher in Texts and Media

16 credit points. Dr Jacqueline Manuel, Dr John Hughes, Dr Dennis Robinson. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** 96 credit points including 52 credit points of Education. **Assessment:** Assessment will consist of research-based and critical studies of representations and constructions of the teacher, teaching, learning, and education in a range of texts.

This unit of study is designed to enable students to undertake in-depth studies at an advanced level of the ways in which teachers, teaching, learning, and education more broadly have been constructed and represented in texts, media, and other contexts, throughout the ages. The unit will also provide opportunities for students to further their insights into the ways in which the construction of teachers and teaching in particular texts and media do or do not reflect contemporary educational theories and practices, and shape public perceptions of and opinions about, teachers. The unit will encourage students to consider significant issues of teaching, learning, and education in a range of contexts that will, in turn, contribute to their own evolving pedagogical, philosophical, and conceptual knowledge and understanding of their complex role as professional educators in the 21st century.

EDSE 5006 Meeting the Needs of Cultural Diversity

16 credit points. Mike Horsley. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** 96 credit points including 52 credit points of Education. **Assessment:** Assessment will be based on field reports on teaching tasks in partnership schools and learning centres and in embedding appropriate resources and approaches in existing subject teaching programs.

The 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. 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.

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

Year 2

EDSE 4001 Information Technology in the Classroom

4 credit points. Mr Neville Goodwin & Mr David Reid. **Session:** 1, 2. **Prerequisite:** 12 Credit points of Education. **Assessment:** Design and production of a classroom oriented Web site (40%) a presentation package (30%), a classroom appropriate database (30%).

This course and the others that relate to it (see EDSE 4002, IT Curriculum Project) are designed to provide graduates with the knowledge, skills and attitudes identified in the Ministerial Advisory Council on the Quality of Teaching report Computer Proficiency for Teachers (1997) and mandated by employing authorities. Teachers require expertise in the production of classroom relevant resources, especially web based content and interactive resources. Presentation software provides more than simple 'electronic slides' opportunities, and may assist teachers to develop simple Web sites and sophisticated paper based material.

EDSP 2001 Counselling Practicum 1

2 credit points. Margaret Freund. **Session:** 1. **Assessment:** Evaluation will be through completion of a satisfactory 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. Margaret Freund. **Session:** 2. **Prerequisite:** 48 credit points including 18 credit points of Education and EDSP 3002 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.

Practical: 15 days

EDSP 3002 Teaching and Learning (Psychology)

4 credit points. Dr John Hughes. **Session:** 1. **Classes:** 2hrs/wk. **Prerequisite:** 48 credit points including 18 credit points of Education. **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.

■ BEd (Secondary: Human Movement and Health Education)

Year 1 (New students from 2004)

EDUH 1001 Foundations of PDHPE

6 credit points. Dr Steve Georgakis. **Session:** 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. Dr Tracy Rockwell. **Session:** 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. Meg Pickup. **Session:** 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. Dr Sue Franklin. **Session:** 2. **Classes:** 2 lectures, 1 session independent study, 3 prac/week. **Prohibition:** 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. **Session:** 1. **Classes:** two 1hr lectures, one 2hr tutorial, one 2hr practical. **Assumed knowledge:** No assumed knowledge of Physics. **Prohibition:** PHYS 1001, PHYS 1002, PHYS 1901.

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.

Recommended references

Ellen Kreighbaum & Kathy Barthels, Biomechanics: A Qualitative Approach for Studying Human Movement, 4th Edn, Macmillan, New York 1996–

Griffing, The Dynamics of Sports 4th Edn, Dalog Company, Ohio, USA, 1995.–

Hay, J. The Biomechanics of Sports Techniques, 4th edn, Prentice Hall, New Jersey, 1993.

Year 2 Curriculum & Professional Studies (Students from 2003)**EDUH 2006 Practical Studies in PE 2**

6 credit points. Dr Steve Georgakis. **Session:** 1. **Assessment:** Soccer: Skills Test; Exam; Touch /Walla/Oztag; 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; Touch/OzTag/Walla; and Hockey/Soccer.

EDUH 2007 Teaching and Learning in PDHPE

4 credit points. Meg Pickup. **Session:** 1. **Prerequisite:** 36 credit points including 12 credit points from Education. **Assessment:** Unit outline and lesson planning (55%), Seminar presentation (45%).

This unit of study is an introduction to fundamental teaching skills and curriculum design in PDHPE, especially in the primary school. An understanding of concepts such as the national curriculum, the K–12 continuum of education in NSW and the health promoting school will increase students' comprehension of curriculum development. Students will develop skill in unit and lesson planning. This unit provides the theoretical background for the unit of study EDUH 2004 School Experience 1 in Semester 2.

EDUH 2001 Applied Anatomy and Physiology

4 credit points. Dr Tracy Rockwell. **Session:** 2. **Prerequisite:** EDUH 1016 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 EDUH 1016 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 2004 School Experience 1

2 credit points. Meg Pickup, Dr Jenny O'Dea. **Session:** 2. **Prerequisite:** 36 credit points including 12 from Education. **Assessment:** Reflection report for Microteaching and a satisfactory teaching report and preparation of a portfolio on the school's policies and procedures.

During Semester 2, students will apply their studies from EDUH 2007 Teaching and Learning in PDHPE 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.

EDUH 2005 Determinants of Health

4 credit points. Meg Pickup. **Session:** 2. **Prerequisite:** 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.

Year 3 Curriculum & Professional Studies (Continuing Students)**EDUH 3013 Biomechanics**

4 credit points. **Session:** 1. **Prerequisite:** EDUH 2001 Applied Anatomy & Physiology and EDUH 2023 Motor Learning. **Assessment:** Assessment will be in the form of one 2hr exam and assignments.

This unit of study will cover the relationship of physics principles to human movement. Topics will include: force, levers, gravitational pull, motion analysis and momentum under varied physical conditions.

EDUH 3015 Teaching PDHPE 2

4 credit points. Meg Pickup. **Session:** 1. **Prerequisite:** EDUH 2015 Teaching PDHPE 1 and EDUH 2026 Teaching Practice 1. **Assessment:** Assessment will be in the form of class work and assignments.

This unit examines aspects that influence program development and implementation in the PDHPE key learning area. Such aspects as the learning environment; the nature of the learner; program, unit and lesson planning; student assessment;

evaluation; school-community needs; policies of the school and the educational authorities will be covered.

EDUH 3016 Foundations of Health Education

4 credit points. Dr Jenny O'Dea. **Session:** 1. **Prerequisite:** EDUH 2025 Health Education Pedagogy 1. **Assessment:** Assessment will be in the form of one assignment and one exam.

This unit of study will provide health educators with a sound knowledge and understanding of the history, concepts and theories that underpin the current philosophy and practice of health education. This will assist them to plan and conduct programs that will be effective in enhancing positive health behaviour and preventing or changing those behaviours that compromise health.

EDUH 3023 Exercise Physiology

4 credit points. Dr Donna O'Connor. **Session:** 1. **Prerequisite:** EDUH 2001 Applied Anatomy & Physiology and EDUH 2023 Motor Learning. **Assessment:** Assessment will be in the form of one 2hr exam, practical work and other assignments.

A lecture/laboratory unit of study will examine the effects that take place in the body during and after exercise. The central theme is energy production. Related aspects will include cellular physiology, energy production, aerobic and anaerobic metabolism, work capacity, the respiration and circulatory system under exercise; effect of altitude, thermoregulation and hydration, fitness and training schedules for selected groups.

EDUH 3014 Assessment and Evaluation in PDHPE

4 credit points. Dr Donna O'Connor. **Session:** 2. **Prerequisite:** EDUH 2015 Teaching PDHPE 1. **Assessment:** Assessment will be in the form of mid semester and end of semester exams.

This unit of study will provide skills and knowledge necessary for effective assessment and evaluation in PDHPE and Sport. The measurement of knowledge, attitudes, a range of skills, fitness and other aspects of PDHPE will be examined.

EDUH 3024 Health Education Pedagogy 2

4 credit points. Dr Jenny O'Dea. **Session:** 2. **Prerequisite:** EDUH 2025 Health Education Pedagogy 1. **Assessment:** Assessment will be in the form of a major assignment and a minor assignment.

This unit of study will be the second of four units of study that will examine health issues relevant to today's society. It will provide the content and methodology for Health Education and cover four units of study:

1. Growth and development
2. Healthy lifestyles
3. Nutrition. 4. Psychosocial Health issues.

EDUH 3025 Applied Skills in Physical Education 3

4 credit points. Meg Pickup. **Session:** 2. **Prerequisite:** EDUH 2003 Applied Skills in Physical Education 2. **Assessment:** Assessment will be in the form of class work and assignments. this unit of study will be pass/fail only.

This unit of study is the third of four that will examine aspects of physical activity as an integral part of the PDHPE key learning area. Students are required to gain experience and develop skills through participation in a variety of forms of physical activity. In this unit students will participate in Dance, Aquatics and Soccer/Hockey.

EDUH 3026 Teaching Practice 2

4 credit points. Meg Pickup. **Session:** 2. **Prerequisite:** EDUH 2026 and EDUH 2015 and EDUH 3015. **Assessment:** Assessment will be in the form of a satisfactory teaching report, and the completion of an observation book of school procedures and practices.

At the end of Semester 1, students are placed in secondary schools for 20 days. You will be assigned to one or more teachers in the key learning area of PDHPE. This in-school experience will build on the skills developed in EDUH 2026 and will provide opportunities for students to observe and participate in whole school and classroom procedures and practices. As well as developing an understanding of high school students and their needs, you will be expected to plan and teach in at least four units of work and assist with any of the various roles of the secondary school PDHPE teacher to whom you are assigned.

Year 4 Curriculum & Professional Studies (Continuing Students)

EDUH 4013 Adapted PDHPE

4 credit points. Meg Pickup. **Session:** 1. **Prerequisite:** EDUF 3021 Special Education: Inclusive Schools. **Assessment:** Assessment will be in the form of classwork, one assignment and one exam.

This unit of study will build on the work covered in EDUF 3021 Special Education: Inclusive Schools. In particular students will examine how children with special needs can be integrated into both theory and practical PDHPE classes.

EDUH 4014 Sport Psychology

4 credit points. **Session:** 1. **Prerequisite:** EDUH 2015 and EDUH 2023 and either EDUH 2001 or EDUH 2013. **Assessment:** Assessment will be in the form of one 2hr exam, an assignment and coursework.

This unit of study will provide an overview of several psychological variables that might influence the performance and learning of individuals engaged in physical activity. It will include such topics as intrinsic and extrinsic motivation, level of aspiration, arousal (theories and mechanisms), competition and cooperation, aggression, attributes and self-esteem, personality, social facilitation, achievement and motivation, cohesion-affiliation.

EDUH 4015 Administration of PDHPE and Sport

4 credit points. Dr Tracy Rockwell. **Session:** 1. **Prerequisite:** EDUH 2015 and EDUH 3015. **Assessment:** Assessment will be in the form of one 2hr exam, an assignment and coursework.

This unit of study will examine the principles of administration and administrative techniques and procedures appropriate for PDHPE and sport in schools. It will move from a sound base of administrative theory to precise issues and skills required for school and community based activity programs.

EDUH 4016 Health Education Pedagogy 3

4 credit points. **Session:** 1. **Prerequisite:** EDUH 2025 and EDUH 3024. **Assessment:** Assessment will be in the form of one assignment and one exam.

This unit of study is the third of four units of study that will examine health issues relevant to today's society. It will provide the content for Health Education and will cover three units of study:

1. Drug education
2. Sexuality education
3. Adolescent health issues.

EDUH 4017 Planning for Healthy Behaviour 1

4 credit points. Dr Louise Rowling. **Session:** 1. **Prerequisite:** EDUH 3016. **Assessment:** Assessment will be in the form of assignment, classwork and one exam.

Health behaviour is a complex phenomenon that has multiple determinants. Interventions which seek to change health status must be carefully planned and monitored. Health behaviour needs to be considered within a broad framework of social, political and economic factors and approached from an individual and setting perspective. Thus health promotion project design includes educational strategies and other activities designed to facilitate or reinforce healthy behaviour.

EDUH 4001 Contemporary Studies in PDHPE

4 credit points. Meg Pickup. **Session:** 2. **Prerequisite:** EDUH 2015 Teaching PDHPE 1 and EDUH 3015 Teaching PDHPE 2. **Assessment:** Seminar presentation (1000 words) (40%), Individual essay (2000 words) (40%), Paired essay (2000 words, [1000 words each]) (20%).

This unit of study examines the influences of philosophical, historical, physiological, psychological, sociological, and pedagogical contexts as well as policies from various levels of the education system (central, regional/district and school) that influence the central issues and enduring themes in the academic and professional study of the PDHPE key learning area. Aspects such as gender issues, healthism, safe movement experiences, teachers as role models, body image, developing literacy, professional ethics in teaching, teachers' legal responsibilities, child protection, gender equity, behaviour management, agencies offering support to teachers, and the place of sensitive issues in the curriculum will be studied as influences on the nature of the teaching of PDHPE in schools.

EDUH 4023 Sports Medicine

4 credit points. **Session:** 2. **Prerequisite:** EDUH 2013 or EDUH 2001 and EDUH 3023 and EDUH 3013. **Assessment:** Assessment will be in the form of one assignment, class work, one exam.

This unit of study will be an introduction to the pathology, diagnosis and management of injuries commonly sustained during sporting activities. It will assist students to understand the roles of various health professionals in recognising and managing sport-related injuries.

EDUH 4024 Health Education Pedagogy 4

4 credit points. **Session:** 2. **Prerequisite:** EDUH 2025 and EDUH 3024 and EDUH 4016. **Assessment:** Assessment will be in the form of a major assignment and one exam.

This unit of study is the fourth of four units of study that will examine health issues relevant to today's society. It will provide the content for Health Education and covers four units of study:

1. Health consumerism
2. Community health
3. Global health
4. School health issues.

EDUH 4026 Applied Skills in Physical Education 4

4 credit points. Meg Pickup. **Session:** 2. **Prerequisite:** EDUH 2014 or EDUH 2002 and EDUH 2024 or EDUH 2003 and EDUH 3025.

Assessment: Assessment will be in the form of class work and assignments. This unit of study will be pass/fail only.

This unit of study is the fourth of four that will examine aspects of physical activity as an integral part of the PDHPE key learning area. Students are required to gain experience and develop skills through participation in a variety of forms of physical activity. In this unit students will participate in Gymnastics, Netball/Basketball, Tennis and Weight Training.

EDUH 4027 Teaching Practice 3

4 credit points. Meg Pickup. **Session:** 2. **Prerequisite:** EDUH 3026.

Assessment: Assessment will be in the form of a satisfactory teaching report, and the completion of an observation book of school procedures and practices.

At the end of Semester 1, students are placed in secondary schools for 20 days. You will be assigned to one or more teachers in the key learning area of PDHPE. This in-school experience will build on the skills developed in EDUH 3027 and will provide opportunities for students to observe and participate in whole school and classroom procedures and practices. As well as developing an understanding of high school students and their needs, you will be expected to plan and teach at least four units of work and assist with any of the various roles of the secondary school PDHPE teacher to which you are assigned. At the end of this practicum, you will be expected to demonstrate the confidence and skills of a competent beginning PDHPE teacher.

Year 4 Options

EDUH 4029 Mental Health Promotion

4 credit points. Dr Louise Rowling. **Session:** 1. **Classes:** 2hr/wk.

Prerequisite: 40 credit points of professional studies in HMHE. **Assessment:** Seminar paper and individual research report.

This course is designed to examine mental health through the lifespan. Whilst the focus is on mental health and mental health promotion, attitudes to mental illness will be examined. Issues to be covered include examining a variety of psychosocial problems and the implication of these as potential sources of mental health problems in the community; identifying community attitudes to mental illness; examining risk and protective factors for young people's mental health; and assessing ways in which the health educator might help individuals and the community in general to cope.

EDUH 4030 Coaching Concepts

4 credit points. Dr Tracy Rockwell. **Session:** 1, 2. **Classes:** 2hr/wk.

Prerequisite: 60 credit points of professional studies in HMHE. **Assessment:** TBA.

This unit is designed to develop an understanding of the role of the coach in sport by studying specific factors which contribute to athletic performance, athlete management and planning at the novice, intermediate and elite level.

EDUH 4032 Empirical Studies in Exercise Physiology

4 credit points. Dr Donna O'Connor. **Session:** 1, 2. **Classes:** 2hr/wk.

Prerequisite: 60 credit points of professional studies in HMHE. **Assessment:** TBA.

The availability of these optional units of study is subject to student demand and teaching staff.

A description of the units offered in a particular year will be available from the Human Movement and Health Education Program Director (Meg Pickup) at the beginning of each year.

EDUH 4034 Recreation Leadership and Management

4 credit points. Dr Tracy Rockwell. **Session:** 1. **Classes:** 2hr/wk.

Prerequisite: 40 credit points of professional studies in HMHE. **Assessment:** TBA.

This unit is designed to develop an understanding of the role of an outdoor education leader by studying specific skills that extend and enhance the learning environment beyond the classroom, and enrich theoretical knowledge through first hand experiences with people, places and things.

EDUH 4046 Fitness Training: Theory and Practice

4 credit points. Dr Donna O'Connor. **Session:** 1. **Classes:** 2hrs/wk.

Prerequisite: 40 credit points of professional studies in HMHE. **Assessment:** TBA.

This unit of study is designed to provide the knowledge and skills necessary for effective construction and implementation of training programs. Emphasis will be on the knowledge and practical understanding of different training methods and their physiological adaptations. As a result of studying this unit students will be able to discuss the theories and principles that underlie the programming of the different fitness parameters, analyse and evaluate a variety of practices designed to improve performance or achieve health benefits, and design a training program that emphasises the development of one aspect of health-related or skill-related fitness.

EDUH 4036 Cross Cultural Aspects of PE & Sport

4 credit points. Dr Steve Georgakis. **Session:** 2. **Classes:** 2hr/wk.

Prerequisite: 40 credit points of professional studies in HMHE. **Assessment:** TBA.

The availability of these optional units of study is subject to student demand and teaching staff.

A description of the units offered in a particular year will be available from the Human Movement and Health Education Program Director (Meg Pickup) at the beginning of each year.

EDUH 4040 Issues in Nutrition Education

4 credit points. Dr Jenny O'Dea. **Session:** 2. **Classes:** 2hrs/wk.

Prerequisite: 40 credit points of professional studies in HMHE. **Assessment:** TBA.

This unit of study will examine the close relationship between nutrition and health status. Students will develop skills to analyse the wealth of nutrition-related information available in the community to determine its reliability. They will also develop skills to implement nutrition education as part of the PDHPE key learning area.

EDUH 4043 Human Movement and Health Ed Ind Study

4 credit points. Meg Pickup. **Session:** 1, 2. **Classes:** 2hr/wk.

Prerequisite: 60 credit points of professional studies in HMHE.

Assessment: 500 word proposal, 2500 word report, 1000 word journal (assessed as pass/fail).

This optional unit of study enables students to undertake an independent study of an area of interest related to HMHE. Permission to undertake this unit of study must be gained from the Program Director. Students will be able to undertake this unit of study depending on the availability of a supervisor. Students will prepare a study proposal that must be approved by the supervisor before the study can be commenced. Students will undertake the study and prepare a report that is submitted to the supervisor for marking. Students will also keep a journal of their experiences while completing this unit of study.

EDUH 4045 Human Movement & Health Ed Spec Project

4 credit points. Meg Pickup. **Session:** 1, 2. **Classes:** 2hr/wk.

Prerequisite: 60 credit points of professional studies in HMHE.

Assessment: 500 word proposal, 2500 word report, 1000 word journal (assessed as pass/fail).

This optional unit of study enables students to undertake a special project in an area of interest related to HMHE. Permission to undertake this unit of study must be gained from the Program Director. Students will be able to undertake this unit of study depending on the availability of a supervisor. Students will prepare a project proposal that must be approved by the supervisor before the project can be commenced. Students will undertake the project and prepare a report that is submitted to the supervisor for marking. Students will also keep a journal of their experiences while completing this unit of study.

BEEd (Secondary: Design and Technology)

Year 2 Professional Studies (Compulsory units)

EDDT 2007 Teaching and Learning 1 (D & T)

8 credit points. **Session:** 1. **Classes:** 4hrs/wk. **Assessment:** Written assignment and class presentation on the role of the teacher. Report on research on the educational work of a non-school organisation. Web-site discussion.

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 the mentoring process.

EDDT 2005 Teaching Technology 1A

2 credit points. Mr Nigel Goodwin. **Session:** 1. **Classes:** 1hr/wk. **Assessment:** Critical review of literature, reflective essay, class presentations, practical projects.

This course will firstly examine the nature and scope of Technology Education both locally and internationally. This is followed by a survey of extant pedagogical models of technology teaching with a special emphasis on experiential learning, learning by doing and design and problem solving. The role of reflection within authentic learning contexts will receive special emphasis in the context of the Design and Technology syllabus (7–10). Authentic, practical activities will be utilised to contextualise and ground technology education processes.

EDDT 2006 Teaching Technology 1B

2 credit points. Mr Nigel Goodwin. **Session:** 2. **Classes:** 1hr/wk. **Prerequisite:** EDDT 2005. **Assessment:** In-school observation report, class presentations, lesson plans.

Students will be introduced to organising, planning and managing teaching experiences including programming of learning experiences, writing units of study and lesson plans for the junior secondary school. Emphasis will be placed on programming and sequencing learning activities so as to encourage deep processing of material by learners within creative learning contexts.

EDDT 2009 Design Fundamentals 1A

10 credit points. **Session:** 1. **Classes:** 10hrs/wk Enmore Design Centre of TAFE. **Assessment:** Projects, presentations, exhibitions.

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/XGETCOURSE_TO?VCOURSE_NO=7547&MODE=H

- Classes follow TAFE enrolment pattern

EDDT 2010 Design Fundamentals 1B

10 credit points. **Session:** 2. **Classes:** 10hrs/wk Enmore Design Centre of TAFE. **Prerequisite:** EDDT 2009. **Assessment:** TBA.

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.’

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- Classes follow TAFE enrolment pattern

Year 2 Curriculum units

EDDT 2001 Information Processes and Technology 1

2 credit points. Mr Nigel Goodwin. **Session:** 1. **Classes:** 1hr/wk.

Assessment: Laboratory work, class presentations, research, workshops, examinations.

This unit of study is concerned with the design of systems to meet specified goals. Analysis and investigation from both a theoretical and practical standpoint, of systems development approaches such as Rapid Applications Development and prototyping is a feature of this unit. The place of collaborative and team approaches to systems and software design is emphasised.

EDDT 2002 Information Processes and Technology 2

2 credit points. Mr Nigel Goodwin. **Session:** 2. **Classes:** 1hr/wk.

Prerequisite: EDDT 2001. **Assessment:** Class presentations, research, workshops, project work, examinations.

This unit of study expands the themes, issues and ideas developed in Information Processes and Technology 1 especially collaborative and team approaches to systems and software development. A practical project incorporating a workplace case study is included to help ground theoretical concepts and to emphasise the place of need to consider social and ethical issues when designing systems.

EDDT 2003 Food Science 1

2 credit points. Mr Ian Stevens. **Session:** 1. **Classes:** 1hr/wk.

Assessment: Class presentations, seminars, practical reports, examinations.

Food Science 1 is a content based course designed to provide an introduction to basic concepts of Food Science, Technology and Nutrition for students who have no formal science training beyond year 10. It particularly addresses the content needs of students who may become teachers of Food Technology in schools and consequently covers relevant aspects of The Australian Food Industry, Food Chemistry, Food Commodities, Food Microbiology, the Technology of Food Production, Food Marketing, Food Product Development and Nutrition. It has a practical component which relates food preparation to theory.

EDDT 2004 Food Science 2

2 credit points. Mr Ian Stevens. **Session:** 2. **Classes:** 1hr/wk.

Prerequisite: EDDT 2003. **Assessment:** Class presentations, seminars, practical reports, examinations.

Food Science 2 is a content based course, which follows on from Food Science 1 and is designed to provide and extend basic concepts of Food Science, Technology and Nutrition for students who have no formal food science background. It addresses the content needs of students who may become teachers of Food Technology in schools and consequently covers topics such as the Technology of Food Production, Food Marketing, Food Product Development and Nutrition. It also contains a practical component relating food preparation to theory. Food Science 1 is a prerequisite for Food Science 2

Year 3 Professional Studies (Compulsory units)

EDDT 3001 Design Fundamentals 2A

12 credit points. Mr Nigel Goodwin. **Session:** 1. **Classes:** 10hrs/wk. Enmore Design Centre of TAFE. **Prerequisite:** EDDT 2009 & EDDT 2010.

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/XGETCOURSE_TO?VCOURSE_NO=7547&MODE=H

EDDT 3002 Design Fundamentals 2B

12 credit points. Mr Nigel Goodwin. **Session:** 2. **Classes:** 10hrs/wk. Enmore Design Centre of TAFE. **Prerequisite:** EDDT 2009 & EDDT 2010 & EDDT 3001.

NB: Classes follow TAFE enrolment pattern

For further information see EDDT 3001

EDDT 3003 Teaching Technology 2A

4 credit points. Mr Nigel Goodwin, visiting lecturers. **Session:** 1. **Classes:** 2hrs/wk for 12 weeks. **Prerequisite:** EDDT 2005 & EDDT 2006. **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. Mr Nigel Goodwin, visiting lecturers. **Session:** 2. **Classes:** 2hrs/wk for 12 weeks. **Prerequisite:** EDDT 2005 & EDDT 2006 & EDDT 3003. **Assessment:** Practical projects, training evaluations, occupational health and safety audits 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.

EDDT 3005 Professional Experience A

4 credit points. Mr Nigel Goodwin/Cooperating teachers in schools. **Session:** 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. **Session:** 1. **Classes:** 4hrs/wk. **Prerequisite:** EDSE 3002 Craft, Knowledge and Professional Practice 1 or EDDT 2007 Teaching and Learning 1 (D&T). **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. Nigel Goodwin. **Session:** 1. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2005 Teaching Technology 1A, EDDT 2006 Teaching Technology 1B, EDDT 3003 Teaching Technology 2A and EDDT 3004 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. Nigel Goodwin. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2005, 2006 Teaching Technology 1A & 1B and EDDT 3003, 3004 Teaching Technology 2A & 2B and EDDT 4003 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 4013 Professional Experience B

6 credit points. Nigel Goodwin. **Session:** 2. **Prerequisite:** EDDT 3005 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.

EDDT 4014 Graduating Design Project

10 credit points. Cooperating teachers and University staff. **Session:** 2. **Classes:** 2hrs/wk. **Prerequisite:** 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.

Year 4 Curriculum units

EDDT 4005 Food Science 3

3 credit points. Ian Stevens. **Session:** 1. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2003 Food Science 1 and EDDT 2004 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 4006 Food Science 4

3 credit points. Ian Stevens. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2003 Food Science 1, EDDT 2004 Food Science 2 and EDDT 4005 Food Science 3. **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 4007 Software Design & Development 1

3 credit points. Visiting lecturers & sessional staff. **Session:** 1. **Classes:** 3hrs/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. Visiting lecturers and sessional staff. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 4007 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. Nigel Goodwin, Visiting lecturers. **Session:** 1. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2005,2006 Teaching Technology 1A & 1B and EDDT 3003,3004 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. Nigel Goodwin, visiting lecturers. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2005,2006 Teaching Technology 1A & 1B and EDDT 3003,3004 Teaching Technology 2A & 2B and EDDT 4009 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 assessment 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. Ian Stevens. **Session:** 1. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2005,2006 Teaching Technology 1A,1B & EDDT 3003,3004 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. Ian Stevens. **Session:** 2. **Classes:** 3hrs/wk. **Prerequisite:** EDDT 2005,2006 Teaching Technology 1A,1B & EDDT 3003,3004 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)

Year 1 (New students from 2004)

EDUP 1001 Creative Arts 1

6 credit points. Associate Professor Robyn Ewing, Dr Robyn Gibson and Dr Michael Anderson. **Session:** 1. **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. Janet Egan, Associate Professor Robyn Ewing and Margaret Freund. **Session:** 2. **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 (Students from 2003)

EDUP 2002 English 2: Writing as Social Practice

4 credit points. Angela Thomas. **Session:** 1. **Prerequisite:** EDUP 1002 Teaching and Learning Literacy (Intro). **Assessment:** Position Paper (30%); 1500 wds; Online participation (20%); 1000 wds; Exam (50%): 1.5 hours.

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 three to the three metafunctions in language. This will include an investigation into questions of ideologies in language, especially written texts. Students will be involved in the development of writing programs for children with a particular emphasis on children working at Stage 2 as articulated in the NSW English K–6 syllabus.

EDUP 2005 Mathematics 1: Exploring Early Number

4 credit points. Sharne Aldridge. **Session:** 1. **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. Anthony McKnight. **Session:** 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 2003 Professional Experiences 1 (Primary)

4 credit points. Associate Professor Robyn Ewing. **Session:** 2. **Prerequisite:** EDUP 1002 Introduction to Teaching and Learning: Literacy. **Assessment:** Development of a rationale or teaching philosophy and a detailed analysis of a management dilemma experienced during practicum.

This unit of study focuses on the themes of planning, programming and management in the primary classroom. It incorporates a fifteen day professional experience in a 3–6 classroom. Anticipated Outcomes: It is anticipated that students will begin to develop: (i) A rationale/philosophy of teaching and learning (ii) An understanding of different approaches to curriculum study. (iii) An understanding of programming and the importance of reflective practice in the planning and implementing of learning experiences in the primary school. (iv) A knowledge of sound management practices both in terms of the management of the classroom and the management of time. (v) A knowledge of the principles of outcome-based education.

EDUP 2004 PDHPE1: Physical Activity

4 credit points. Jan Milton. **Session:** 2. **Assessment:** Peer Teaching Task (40%); Written Task (30%), Fundamental Movement Skills Lesson Plan (30%).

This unit of study is the first of two units that will assist students to develop skills in human movement, an integral part of the PDHPE key learning area. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills and confidence to teach children the knowledge, skills and attitudes that will lead to the commitment to the value of lifelong physical activity. In this unit students will gain experience in a variety of physical activities

Year 3 Curriculum & Professional Studies (Continuing Students)**EDUP 3011 Drama in Primary Education**

2 credit points. Associate Professor Robyn Ewing and Dr Michael Anderson. **Session:** 1. **Prerequisite:** EDUP 2012 The Beginnings of Literacy. **Assessment:** TBA.

This unit of study will be concerned with drama as a creative art in its own right and as a pedagogical strategy for use across all key learning areas. Workshops in reader's theatre, mime, improvisation, storytelling, role play, play building and puppetry will enable students to plan for drama in K–6 classrooms.

EDUP 3013 Maths 2: the Theory/Practice Link

2 credit points. Dr Janette Bobis. **Session:** 1. **Prerequisite:** Maths 1: First three years of Schooling (EDUP 2013). **Assessment:** Assessment will be in the form of: (1) Report on the assessment of a Year 3 to 6 child in Mathematics; (2) In pairs or small groups, students will complete a mini-program of work that covers the in-school experience.

This unit of study will build on the work undertaken in Mathematics 1 by extending the range of information to the K–6 classroom. The focus of the unit of study will be on how children's mathematical thinking develops. In order to achieve this, the unit has both a theoretical and a practical component. Initially, students will deepen their existing understanding of how children's thinking develops through workshop sessions. These sessions will encourage participation in a broad range of mathematical investigations and involve exploration of teaching/learning strategies. Students will then have an opportunity to apply this knowledge in a school context. This will involve the design and implementation of a series of lessons for a child over a three to four week period.

EDUP 3014 Personal Dev and Health in Schools 1

2 credit points. Jan Milton. **Session:** 1. **Prerequisite:** EDUP 2023 Physical Education: Games. **Assessment:** Assessment will be the preparation of a unit of work on health education for a nominated class or the completion of a First Aid Certificate.

Students will be introduced to the important role of the school in health promotion. The unit of study will include an examination of the formal curriculum, school policies and practices that relate to health issues, and school-community partnerships in relation to health. Students will be encouraged to look at their own health status.

EDUP 3015 Teaching and Curriculum 2

2 credit points. Associate Professor Robyn Ewing, Ms Margaret Freund and part time staff. **Session:** 1. **Prerequisite:** EDUP 2001 Introduction to Teaching and Curriculum. **Assessment:** Assessment will be in the form of workshop activities, case study analysis and critical reflection on the practicum experience.

This unit of study will continue to explore various ways in which the concepts of curriculum assessment and evaluation have been defined. It will examine current mandatory curriculum policies and perspectives presently being implemented in NSW Primary classrooms. Themes of programming, management, the teacher's role in the school community will also be addressed. Students will continue to explore the needs of individual children. Critical reflection on the practicum experience will be an important component of the unit.

EDUP 3016 Practicum 3A

6 credit points. BEd Staff. **Session:** 1. **Prerequisite:** EDUP 2001 Introduction to Teaching and Curriculum. **Assessment:** Assessment will be in the form of a satisfactory practice teaching report.

Students will be placed in schools for twelve days practicum experience over three weeks at the end of semester one. It is expected that each student will take responsibility for the planning and implementation of at least two lessons each day. The students will endeavor to link lessons sequentially and critically reflect on both their own teaching and children's responses. Students will be supported by their cooperating teachers, and liaison visits from tertiary supervisors.

EDUP 3021 Indigenous Australian Education

2 credit points. Michelle Blanchard. **Session:** 2. **Assessment:** Assessment will be based on two assignments dealing with activity and unit planning.

The Indigenous Australian Education course will focus on the application of Aboriginal Studies in primary education. The purpose of this unit of study will be to:

- 1 advance skills in the development and implementation of Indigenous perspectives into the school curriculum and classroom practice;
- 2 increase the current levels of knowledge of Indigenous Australian issues;
- 3 learn to critically evaluate resources for inclusion in Aboriginal Studies programs; and
- 4 develop skills that will create an inclusive learning environment in the classroom.

EDUP 3024 Science and Technology in K–6 Classroom

2 credit points. Mike Gunnourie. **Session:** 2. **Prerequisite:** EDUP 2014 Introduction to Science & Technology K–6. **Assessment:** Assessment will be based on two assignments dealing with the planning and resourcing of a teaching unit and a design task.

This unit of study will build upon the earlier one introducing the teaching of this curriculum area at the K–6 level. It will focus on the integration of science and technology-related learning experiences within the overall K–6 curriculum. The planning of science and technology-oriented units of work within the framework of the NSW Science and Technology K–6 syllabus will be considered, with special reference to the content strands on Earth and Its Surroundings and Built Environments. 'Hands-on' activities will explore the teaching of a range of scientific and technological topics and skills.

EDUP 3025 TESOL in Primary Education

2 credit points. Mr Paul Dufficy. **Session:** 2b. **Prerequisite:** EDUP 2012. **Assessment:** The assessment for this unit of study will be listed in the detailed unit of study outline.

This unit of study will provide students with a foundation for the successful teaching of English as an additional language in multilingual primary classrooms. There will be an emphasis on oral language development and students will have the opportunity to experience a wide range of teaching and learning

strategies. These strategies will be in the context of a variety of KLA's.

EDUP 3026 Practicum 3B

6 credit points. BEd Staff. **Session:** 2. **Prerequisite:** EDUP 3016 Practicum 3A. **Assessment:** Assessment will be in the form of a satisfactory practice teaching report.

Students will be placed in schools for twelve days practicum experience over three weeks at the end of semester two. It is expected that each student will take responsibility for the planning and implementation of at least three lessons each day. Third year students will be expected to plan and present a series of related learning experiences which are appropriate to the children's needs and interests. Students will be required to evaluate both their own teaching and children's responses to the learning experiences presented. Students will be supported by their cooperating teachers and supervisory visits from tertiary supervisors.

EDUP 3031 Maths 3: Space Measurement Chance & Data

2 credit points. Sharne Aldridge. **Session:** 2. **Prerequisite:** EDUP 2013 Mathematics 1: The First Three Years of Schooling. **Assessment:** Students will plan, implement and evaluate four lessons at a local school. They will also be required to select two learning experiences from their four lessons and to provide a rationale on why they have selected them. The rationale must reflect the students' evolving understanding of how children learn and be well supported by references to the literature. Mathematics 3 will continue the process of building students' understanding of how children's mathematical thinking develops. In this unit of study students will focus on Chance and Data, Measurement and Space. A key focus will be on the selection of worthwhile mathematical experiences.

EDUP 3032 Literature & Literacies: The Middle Yrs

2 credit points. Angela Thomas, Associate Professor Len Unsworth and Dr Alyson Simpson. **Session:** 2. **Prerequisite:** EDUP 2012 The Beginnings of Literacy. **Assessment:** Textual analysis (35%): 800 wds; literature-based unit of work and associated presentation (65%): 1200 wds.

This unit of study deals with the use of literary texts in the middle and upper primary school (years 4–6). Literary texts include picture books, novels, biographies, plays and poetry as well as other texts of popular culture. These texts may be in the form of books, magazines, film, television and a variety of computer-based formats. The emphasis will be on developing children's critical comprehension and creative composition of a range of literary texts and related genres such as personal responses and reviews. This involves learning how the 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 of a variety of literary texts in paper and electronic formats. Students will also undertake close study of the verbal and visual form of selected texts as a basis for designing learning 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.

EDUP 3033 The Development of Written Language

2 credit points. Angela Thomas and Dr Alyson Simpson. **Session:** 1. **Prerequisite:** EDUP 2012 The Beginnings of Literacy. **Assessment:** Position Paper (40%): 1500 wds; Exam (60%): 1.5 hours.

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 three to the three metafunctions in language. This will include an investigation into questions of ideologies in language, especially written texts. Students will be involved in the development of writing programs for children with a particular emphasis on children working at Stage 2 as articulated in the NSW English K–6 syllabus.

Honours: Primary

EDUP 3205 Beginning Educational Research

4 credit points. Angela Thomas. **Session:** 1. **Assessment:** Critical review 2000w.

NB: Department permission required for enrolment. Credit average across EDUF 2006 and EDUF 2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.

This first Honours course aims to introduce students to educational research. Students will develop critical awareness of the social, educational and epistemological role of educational research, enabling them to think of themselves as consumers and practitioners of educational research, and providing the conceptual basis for a broad and flexible understanding and practice. A credit result for this course is required for students to be permitted to continue onto the next Honours course.

For further information see the Honours Web site located at: www.edfac.usyd.edu.au/courses/undergrad/honours.html

EDUF 3206 Methodologies and Educational Research

4 credit points. Angela Thomas. **Session:** 2. **Prerequisite:** Credit or higher in EDUF 3205. **Assessment:** Methodology critique, mini-proposal and full proposal.

NB: Department permission required for enrolment.

The second Honours course deals with more advanced and specialised work in research methods. Students will choose four methodology modules from the 11 offered, with a final fifth module and an ethics workshop being proscribed. This last module is intended to support students' development of a research proposal for their thesis to be undertaken in Year 4 or Year 5 for combined degree students.

For further information see the Honours Web site located at: www.edfac.usyd.edu.au/courses/undergrad/honours.html

EDUP 4052 Spec unit (Primary) Honours A

8 credit points. Angela Thomas. **Session:** 1. **Prerequisite:** Credit or higher in EDUF 3206.

NB: Department permission required for enrolment.

There is no coursework per se in the final Honours year, with the writing of the Honours thesis comprising edup 4052 and edup 4053. The Honours thesis involves investigation of a topic chosen by students and relevant to their own interests. The thesis will be based on the proposal due at the commencement of the year, and is supervised directly by a member of the Faculty. Although the length of the thesis will vary with the nature of the investigation, and length does not necessarily indicate quality, the thesis will not normally exceed 15000 words (except in the case of students from other Faculties undertaking Honours in Education, for whom the expectation is 20000–25000 words). Students should note that although the program of study is carried out over a full year the units are nevertheless semesterised. A decision to withdraw from the entire honours program without penalty must therefore be made before the HECS cut off date in semester 1. A progress report will be completed by students and their supervisors in May, providing both students and supervisors the opportunity to flag any problems related to the project. Continuation in the Honours program is contingent on:

Satisfactory standard of full research proposal due at the commencement of the year;

Ethical approval for the project due at the commencement of the year;

Supervisor recommendation of candidature in May progress report;

Submission of satisfactory draft chapter to Supervisor by the end of Semester 1;

Students will also be asked to deliver a 20-minute presentation to fellow students, supervisors and interested staff, in Semester 2. Three copies of the thesis should be submitted by the last Friday in October, one of which will be returned. Though theses may be submitted in spiral or thermal binding, arrangements should be made by the candidate for one copy of the thesis to be permanently bound by the first Friday in December, and this copy will be retained by the Faculty. It is a usual courtesy to also provide a bound thesis to the supervisor. Please consult the Honours Web site for detailed information: www.edfac.usyd.edu.au/courses/undergrad/honours.html

EDUP 4053 Spec unit (Primary) Honours B

8 credit points. Angela Thomas. **Session:** 2. **Prerequisite:** Credit or higher in EDUF 3206.

NB: Department permission required for enrolment.

For further information see EDUP 4052.

Year 4 Curriculum & Professional Studies (Continuing Students)

EDUP 4012 **Multiliteracies, Metalang & Eng Teach**

2 credit points. Dr Alyson Simpson and Angela Thomas. **Session:** 1. **Prerequisite:** EDUP 3032 Literature & Literacies: The Middle Yrs and EDUP 3033 The Development of Written Language. **Assessment:** Assessment will be in the form of tutorial tasks and a major assignment (to be submitted in two stages).

The literacies involved in schooling and social life are complex social practices involving the interpretation, production and use of a range of meaning making systems, including language and image. These are negotiated in a range of formats from traditional page-based material to screen-based electronic multi-media. To become effective and critical users of these multiliteracies for living and learning, children need to learn how the structures of language and image are deployed to make meanings. They need to develop explicit knowledge of the grammar, cohesive structures and text organisation (or genres) of language and image. This means learning a language to describe the grammatical and structural systems of language (and image) – learning ‘metalanguage’ – and is a major concern of documents like the New South Wales English K–6 syllabus. It does not simply mean the learning of traditional grammar. What is involved is learning new meaning-based grammatical and structural descriptions of visual and verbal text designed to enhance the effective and critical use of multiliteracies. In this course we will extend our understanding of the grammar of visual and verbal texts and explore the teaching of these metalinguistic descriptions to children in meaningful activities designed to develop their use of multiliteracies for learning in English across Key Learning Areas in the primary school curriculum.

EDUP 4013 **Music Education: Extension**

2 credit points. **Session:** 1. **Prerequisite:** EDUP 2021 Music Education: Introduction. **Assessment:** Assessment will be in the form of three short music lessons for grades K & 2, 3 & 4 and 5 & 6, planned in pairs (40%). One of these lessons will be taught to peers (30%) in Weeks 8 or 9 of the unit of study. Students will also complete a concise dictionary of workshop activities (20%) and participate in the practical class activities.

The aim of this unit of study is to facilitate the consolidation and extension of musical skills as they may be applied to classroom teaching. The Creative Arts (K–6) Syllabus of the NSW Department of Education and Training will be reviewed, to enhance and deepen student understanding of the specified musical concepts within this syllabus. Students will demonstrate an understanding of fundamental musical concepts and the activities used to explore them. Students will develop and demonstrate skills in planning integrated music lessons suitable for the primary grades K–6, develop increased knowledge of musical language and will acquire an ability and confidence to sing

EDUP 4014 **Physical Education: Gym and Dance**

2 credit points. **Session:** 1. **Prerequisite:** EDUP 2023 Physical education: Games. **Assessment:** Assessment will be in the form of an assignment based on practical class activities and the planning of a unit of work in the area of gymnastics and dance.

This unit of study will be taught in two modules:

- (1) Gymnastics: This module will further enable the student to teach fundamental movement skills, gymnastics and fitness activities.
- (2) Dance: This module will provide an introduction to dance in the primary school. Students will learn some of the fundamentals of dance techniques and will be given a comprehensive overview of the creative aspects of dance applicable for the primary school child. Folk dancing and the significance of dance in multicultural education will also be explained.

EDUP 4015 **Visual Arts K–6 2**

2 credit points. Dr Robyn Gibson. **Session:** 1. **Prerequisite:** EDUP 2011 Visual Arts K–6 1. **Assessment:** Assessment will be judged on the satisfactory completion of a portfolio and visual diary.

Visual Arts makes a unique contribution to the development of children. The purpose of this unit of study is to provide students with sufficient understanding of Visual Arts in education so they can competently implement a primary Visual Arts syllabus. It is designed to enable students to develop conceptual and aesthetic awareness and skills in Visual Arts as a medium of knowledge and explore curriculum issues relevant to Visual Arts.

They will also participate in a series of workshops which will enable them to develop practical skills in a variety of media. This unit is divided into two interconnected areas of theory and practical/studio work.

EDUP 4016 **Practicum 4A**

6 credit points. **Session:** 1. **Prerequisite:** EDUP 3016 Practicum 3A and EDUP 3026 Practicum 3B. **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 13 days practice. Before the practice, the 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. The students will be supported by their school-based cooperating teacher and a tertiary supervisor.

EDUP 4021 **Teaching and Curriculum 3**

2 credit points. Associate Professor Robyn Ewing, Janet Egan and Michelle Robins. **Session:** 1. **Prerequisite:** EDUP 3015 Teaching and Curriculum 2. **Assessment:** Assessment will be in the form of a collaborative development of an integrated unit of work across the Key Learning Areas or an essay on the concerns of Beginning Teachers. This unit of study will address theoretical and practical issues concerned with beginning your professional journey including integrating the broad ranges of curriculum in primary education.

EDUP 4011 **Human Society and its Environment 2**

2 credit points. Ms Sandra Newell. **Session:** 2. **Prerequisite:** EDUP 2022 Human Society & its Environment Ed. 1. **Assessment:** Assessment will be in two parts: Presentation of your stage plan to tutorial group: 40%. Written report of your research of a school’s whole school plan and your design for the particular stage: 60%.

During this second unit of study we will examine how the whole school plan for HSIE, integrated units, whole school events and student participation can be deliberately planned to focus on the achievement of the aim of HSIE K–6. We will also become familiar with the wide range of experiences and resources which are available to enhance the teaching of HSIE K–6.

Anticipated outcomes:

At the end of this unit of study it is anticipated you will be able to:

- 1 Determine the criteria necessary for integrating with integrity HSIE with other key learning areas;
- 2 Evaluate whole school plans to check for a balanced coverage of subject matter outcomes;
- 3 Be aware of the wide range of resources available in schools and the community;
- 4 Be able to design HSIE experiences for a stage using worthwhile resources and field trips which focus on the achievement of specific subject matter and outcomes; and
- 5 Be able to design indicators to assess the achievement of specific outcomes.

EDUP 4023 Personal Development and Health in Schools 2
2 credit points. B.ED. Ms Jan Milton. **Session:** 2. **Prerequisite:** EDUP 3014 Personal Development and Health in Schools 1. **Assessment:** Assessment will be in the form of an assignment based on a content strand selected from the syllabus or the completion of a First Aid Certificate.

The concept of the health promoting school will be developed further in the second year of this unit of study. The role of the school in handling sensitive and controversial health issues will be examined both through the formal curriculum, and through the policies and procedures in place in schools.

EDUP 4022 **Maths 4: Teaching an Inquiry-Based Class**

2 credit points. Dr Janette Bobis. **Session:** 2. **Prerequisite:** EDUP 3031 Maths 3: Space Measurement Chance & Data. **Assessment:** (1) In groups, students will present a report of activities undertaken during school sessions; (2) A second assignment will deal with the development of resources and activities for teaching Mathematics in a child-centred way.

This unit of study will focus on the development of a practical, professional rationale for learning in mathematics and how teaching practices and organisation of the classroom affect

learning. It is hoped that students will gain experience as autonomous learners and widen their competencies (and choices) as teachers of mathematics. Students will gain experience in the planning, implementation and evaluation of a program of work that is organised in a child-centred manner.

EDUP 4023 Personal Dev and Health in Schools 2

2 credit points. Jan Milton. **Session:** 2. **Prerequisite:** EDUP 3014 Personal Development and Health in Schools 1. **Assessment:** Assessment will be in the form of an assignment based on a content strand selected from the syllabus or the completion of a First Aid Certificate.

The concept of the health promoting school will be developed further in the second year of this unit of study. The role of the school in handling sensitive and controversial health issues will be examined both through the formal curriculum, and through the policies and procedures in place in schools.

EDUP 4024 Teach Sc & Tech K–6 in Social Context

2 credit points. Mike Gunnourie. **Session:** 2. **Prerequisite:** EDUP 3024 Science and Technology in the K–6 Curriculum. **Assessment:** Assessment will be based on two assignments dealing with resources and activities for teaching cross-curriculum themes in the context of science and technology topics.

This unit of study will focus on ways to encourage children to explore the social, cultural and environmental contexts of science and technology. The implementation of cross-curriculum policies in areas such as environmental and aboriginal education will be considered, with special reference to the

NSW Science and Technology K–6 content strands on Information and Communications and Products and Services. ‘Hands-on’ activities will explore the teaching of a range of scientific and technological topics and skills.

EDUP 4025 Teaching Children with Special Needs

2 credit points. Sharne Aldridge, Janet Egan and Dr Alyson Simpson. **Session:** 2. **Prerequisite:** EDUP 3031 Maths 3 and EDUP 3032 Literature & Literacies. **Assessment:** Assessment will be in the form of students’ successful meeting of the Children’s Centre criteria for assessing, programming and teaching a child with special needs. There will also be a two-hour exam. Students must satisfy requirements in both areas.

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 the supervision of tutors, students will work with individual children at the Children’s Centre to design, implement and evaluate a program that will meet the literacy or numeracy needs of their assigned child.

EDUP 4026 Practicum 4B

6 credit points. **Session:** 2. **Prerequisite:** EDUP 4016 Practicum 4A. **Assessment:** Assessment will be in the form of a satisfactory practice teaching report. Students will be placed in schools for 13 days practicum experience over three weeks at the end of Semester 2.

Most students will teach without the in-class supervision of the Cooperating Teacher for the final ten days of the October practicum and be supported by tertiary supervisors only in a liaison capacity other students will undertake another supervised practicum. The alternative practicum will allow the students to assume the role of a beginning teacher giving them the opportunity to explore a range of different teaching and learning approaches. They will plan and implement integrated units across the Key Learning Areas.

Special units (Primary)

EDUP 4001 Cultural Literacies in the Classroom A

8 credit points. Dr Alyson Simpson. **Session:** 1. **Prerequisite:** EDUP 3033 The Development of Written Language and EDUP 3032 Literature & Literacies: The Middle Yrs. **Assessment:** Journal (3000w), Textual critique (3500w), Practical demonstration plus (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 4002 Cultural Literacies in the Classroom B

8 credit points. Dr Alyson Simpson. **Session:** 2. **Prerequisite:** EDUP 4001 Cultural Literacies in the Classroom A. **Assessment:** Action research including unit plan (2000w), action research (3000w), unit trial and portfolio, online discussion (2000w), and final reflection (1000w).

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 4003 Gifted and Talented Education A

8 credit points. Associate Professor David Evans. **Session:** 1. **Assessment:** Peer Teaching Task (30%); Written Task (35%), Lesson (35%).

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 4004 Gifted and Talented Education B

8 credit points. Associate Professor David Evans. **Session:** 2. **Prerequisite:** EDUP 4003 Gifted and Talented Education A. **Assessment:** Peer Teaching Task (40%); Written Task (30%), Lesson Plan (30%).

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. In this unit students will gain experience in making opportunities real for gifted children.

EDUP 4005 IT in the Primary Classroom A

8 credit points. David Reid and Neville Goodwin. **Session:** 1. **Prerequisite:** 48 credit points including 20 credit points of Education. **Assessment:** Assessment will be based on IT projects and a substantial IT related unit of work to be taught during the final practicum.

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 drawn from database design and construction, presentation software, Web site design, and desk top publishing. The course 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 4006 IT in the Primary Classroom B

8 credit points. David Reid and Neville Goodwin. **Session:** 2. **Prerequisite:** EDUP 4005 Information Technology in the Primary Classroom (A). **Assessment:** Assessment will be based on IT projects and a substantial IT related unit of work to be taught during the final practicum.

NB: Department permission required for enrolment.

This unit builds upon earlier computer based experiences to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary classroom. Technical aspects will drawn from video production, presentation software and the evaluation of IT related resources. The course will deal with aspects of technology that impinge on teachers' own professional and administrative practice.

EDUP 4046 Spec unit (Primary) Languages A

8 credit points. BEd Staff. **Session:** 1. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033.

NB: Department permission required for enrolment.

This unit of study will enable students to:

1 articulate personal beliefs about the teaching of languages in the primary school as well as reflect on languages teaching and learning processes, and demonstrate understandings about:

- 2 key issues in languages education for primary students;
- 3 suitable methods/approaches/models for primary languages programs;
- 4 New South Wales and wider Australian policy and syllabus documents for primary level languages other than English education;
- 5 the planning and design (including assessment) of primary languages programs;
- 6 development of materials for use in the primary language classroom;
- 7 ways of selecting, adapting and using resources (authentic and non-authentic resources).

EDUP 4047 Spec unit (Primary) Languages B

8 credit points. BEd Staff. **Session:** 2. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033.

NB: Department permission required for enrolment.

This unit of study will enable students to continue to:

1 articulate personal beliefs about the teaching of languages in the primary school as well as reflect on languages teaching and learning processes, and;

- 2 source, develop, utilise and appraise resources and demonstrate understandings of;
- 3 the links between L1 and L2 education in the Australian primary school context, particularly in regard to classroom strategies and processes;
- 4 special contexts for particular languages programs (community languages);
- 5 languages and ICT-tools;
- 6 wider community perceptions of primary languages programs and create an argument for the justification of languages in the primary curriculum;
- 7 demonstrate how primary languages teaching can intricately link the target culture and the target language, especially exploring intercultural language teaching (ILT).

EDUP 4048 Spec unit (Primary) TESOL A

8 credit points. Dr Paul Dufficy. **Session:** 1. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. **Assessment:** There will be four assessment tasks: an analysis of classroom oral language; a grammar test; a planned unit; and an action research project.

NB: Department permission required for enrolment.

This unit of study will provide students with the opportunity to deepen their understandings of the issues related to the teaching and learning of English as an additional language in the multilingual primary classroom.

We will re-visit work done in Year 3 and look more closely at principles which guide our work with bilingual children. The course includes an ESL Practicum.

EDUP 4049 Spec unit (Primary) TESOL B

8 credit points. Dr Paul Dufficy. **Session:** 2. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033.

NB: Department permission required for enrolment.

See Special Course (Primary) Teaching English to Speakers of Other Languages A for unit of study description.

EDUP 4054 Spec unit (Primary) Special Education A

8 credit points. Anne Badenhop. **Session:** 1. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. **Assessment:** Assessment will be in the form of tasks to cover each of the 3 units of study undertaken in this course, including in-class or take home tasks, a presentation and report & an academic essay.

NB: Department permission required for enrolment.

This unit of study will enable students to gain knowledge in teaching and learning in the field of special education and to reflectively and critically evaluate their knowledge, understandings, skills and practices in order to provide for the educational needs of children with disabilities, learning difficulties and behaviour disorders. Students will have an opportunity to:

1. develop an understanding of the current issues in assessment and evaluation in special education as a part of the teaching and learning process, curriculum and instruction for students in special education;
2. participate in workshop sessions designed to develop skills in the above areas;
3. participate in an additional unit, required for accreditation, that will develop:
 - (i) an understanding of integration and inclusive teaching practices and
 - (ii) the skills of collaborative consultation; and
4. undertake their practicum in a special education setting.

EDUP 4055 Spec unit (Primary) Special Education B

8 credit points. Anne Badenhop. **Session:** 2. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. **Assessment:** Assessment will be in the form of tasks to cover each of the 3 units of study undertaken in the course, ranging from in-class & take home tests, to program development, and a major essays.

NB: Department permission required for enrolment.

This unit of study, which is the second part of a year long course, will enable students to gain knowledge in teaching and learning in the field of special education and to reflectively and critically evaluate their knowledge, understanding, skills and practices in order to provide for the educational needs of children with disabilities, learning difficulties and behaviour disorders. Students will have an opportunity to:

- 1: Develop an understanding of the current issues and required skills for the management of behaviour and the teaching of students with high support needs;
- 2 Participate in workshop sessions designed to develop skills in the above areas;
- 3 Develop an independent research study in an area of particular interest;
- 4 Undertake their practicum in a special education setting and gain additional practicum experiences through organised visits to settings of particular interest.

EDUP 4056 Spec unit (Prim) Koori Kids in School A

8 credit points. Anthony McKnight. **Session:** 1. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. **Assessment:** Assessment will be in the form of development of an Indigenous Studies Resource Kit and a unit of work for a considerable Aboriginal Perspective.

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 resources into the 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.

EDUP 4057 Spec unit (Prim) Koori Kids in School B

8 credit points. Anthony McKnight. **Session:** 2. **Prerequisite:** EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. **Assessment:** Assessment: Assessment will be in the form of development of an Indigenous Studies Resource Kit and a unit of work for a considerable Aboriginal Perspective.

NB: Department permission required for enrolment.

See Special Course (Primary) Koori Kids in the Classroom A for a unit of study description.

EDUP 4060 Spec unit (Primary) Integrated Arts A

8 credit points. Associate Professor Robyn Ewing and Dr Robyn Gibson. **Session:** 1. **Prerequisite:** EDUP 2011 Visual Arts K-6 1, EDUP 2012 The Beginnings of Literacy. **Assessment:** Assessment: a variety of options will be negotiated with students in the first week of each semester.

NB: Department permission required for enrolment.

This unit of study will enable students to build on units undertaken in second and third year of the program. Students will have an opportunity to:

1. develop an understanding of the current issues in visual arts, music, drama and dance through critical reading and review of major theories and educationalists;
2. participate in workshop sessions designed to develop their understanding of various concepts and forms appropriate to the three creative arts strands;
3. develop a research proposal based on a current issue in the creative arts; and
4. undertake additional practicum and field experience to further develop their understandings of the role of the teacher in developing creative arts experiences for primary age children.

EDUP 4061 Spec unit (Primary) Integrated Arts B

8 credit points. Associate Professor Robyn Ewing and Dr Robyn Gibson. **Session:** 2. **Prerequisite:** EDUP 4060 Spec unit (Primary) Integrated Arts A.

NB: Department permission required for enrolment.

Please see entry for EDUP 4060 Spec unit (Primary) Integrated Arts A.

Table of Bachelor of Education units of study

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Education Foundations							
Education 1 (all Education students)							
EDUF 1018	Education, Teachers and Teaching	6	N	EDUF 1011.			1
EDUF 1019	Human Development and Education	6	N	EDUF 1012.			2
Science Foundations (Primary students)							
EDUF 1016	Science Foundations 1	6	N	EDUF 1014.			1
EDUF 1017	Science Foundations 2	6	P	EDUF 1016 Science Foundations 1. N EDUF 1015.			2
Education 2 (all Education students)							
EDUF 2006	Educational Psychology	6	P	EDUF 1011 and EDUF 1012 or EDUF 1018 and EDUF 1019 or 30 junior credit points.			1
EDUF 2007	Social Perspectives on Education	6	P	EDUF 1011 and EDUF 1012 or EDUF 1018 and EDUF 1019 or 30 junior credit points.			2
Education 3 (all Education students)							
EDUF 3001	Psychology of Learning and Teaching	4	P	40 credit points. <i>NB: Strongly recommended that students have completed EDUF 2005 or EDUF 2006 Educational Psychology.</i>			2
EDUF 3002	Adolescent Development	4	P	EDUF 1019 Human Development and Education or PSYC 1001 & PSYC 1002.			2a
EDUF 3003	Evaluation and Measurement in Education	4	P	40 credit points. <i>NB: Strongly recommended that students have completed EDUF 2005 or EDUF 2006 Educational Psychology.</i>			2
EDUF 3014	Cross Cultural Fieldwork in Education	4	P	40 credit points. <i>NB: Department permission required for enrolment. Departmental permission required for entry into this unit.</i>			1 Intensive
EDUF 3017	Curriculum: A Cultural Construct	4	P	40 credit points.			2
EDUF 3021	Special Education: Inclusive Schools	4	P	40 credit points.			1, 1b, 2a, 2b
EDUF 3112	Sports, Leisure and Youth Policy	4	P	40 credit points.			1
EDUF 3114	Education Programs in Industrial Nations	4	P	40 credit points.			2
EDUF 3115	Constructing Self and Knowledge	4	P	40 credit points.			1, 2
EDUF 3121	Ethics and Education	4	P	40 credit points.			1
EDUF 3124	International and Development Education	4	P	40 credit points. <i>NB: Department permission required for enrolment.</i>			1
EDUF 3132	Australian Secondary Schooling	4	P	40 credit points.			1
EDUF 3134	Developing Gendered Identity	4	P	40 credit points.			1
■ Honours: Secondary; combined degrees and Human Movement & Health Education							
■ (see EDUP listing for Primary Honours units)							
EDUF 3205	Beginning Educational Research	4		<i>NB: Department permission required for enrolment. Credit average across EDUF 2006 and EDUF 2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.</i>			1
EDUF 3206	Methodologies and Educational Research	4	P	Credit or higher in EDUF 3205. <i>NB: Department permission required for enrolment.</i>			2
EDUF 3207	Educational Psychology Research Seminar 1	4	P	Credit average across EDUF 2006 and EDUF 2007 and a credit average across some other coherent set of 16 credit points. C EDUF 3205 and EDUF 3206. <i>NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.</i>			1
EDUF 3208	Educational Psychology Research Seminar 2	4	P	EDUF 3207 Educational Psychology Research Seminar 1.			2
EDUF 3209	Social Policy Research Seminar 1	4	P	Credit average across EDUF 2006 and EDUF 2007 Credit average across some other coherent set of 16 credit points. C EDUF 3205 and EDUF 3206. <i>NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.</i>			1
EDUF 3210	Social Policy Research Seminar 2	4	P	EDUF 3209 Social Policy Research Seminar 1. <i>NB: NB: Only students doing Education Honours from other faculties are eligible to enrol.</i>			2
EDUF 4042	Secondary Special Course Honours A	4	P	Credit or higher in EDUF 3206. <i>NB: Department permission required for enrolment.</i>			1
EDUF 4043	Secondary Special Course Honours B	4	P	Credit or higher in EDUF 3206. <i>NB: Department permission required for enrolment.</i>			2

Table of Bachelor of Education units of study (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
EDUF 4215 Education Honours 1	24	P EDUF 3205 and EDUF 3206 and EDUF 3207 and EDUF 3208 and 12 credit points from the following: EDUF 3001, EDUF 3002, EDUF 3003, EDUF 3005, EDUF 3112, EDUF 3114, EDUF 3121, EDUF 3124, EDUF 3132, EDUF 3134, EDUF 3141, EDUF 3021. <i>NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.</i>					1
EDUF 4216 Education Honours 2	24	P EDUF 3205 and EDUF 3206 and EDUF 3207 and EDUF 3208 and 12 credit points from the following: EDUF 3001, EDUF 3002, EDUF 3003, EDUF 3005, EDUF 3112, EDUF 3114, EDUF 3121, EDUF 3124, EDUF 3132, EDUF 3134, EDUF 3141, EDUF 3021. <i>NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.</i>					2
EDSE 5003 Honours Thesis I	4	P Credit or higher in EDUF 3206 Methodologies and Educational Research. <i>NB: Department permission required for enrolment.</i>					1
EDSE 5004 Honours Thesis II	12	P EDSE 5003 Honours Thesis I. <i>NB: Department permission required for enrolment.</i>					2
■ Secondary: Combined Degrees (BEd/BA, BEd(Maths)/BSc, BEd(Sc)BSc							
Year 2 Professional Studies (compulsory units)							
EDSE 4001 Information Technology in the Classroom	4	P 12 Credit points of Education.					1, 2
Year 3 Professional Studies (compulsory units)							
EDSE 3002 Craft Knowledge and Prof Practices 1	8	P 48 credit points including 18 credit points of Education.					1a
EDSE 3003 Professional Experience 1	4	P 48 credit points including 18 credit points of Education.					1b
Year 3 Curriculum units							
EDSE 3037 Teaching Visual Arts 1A	6	P 18 credit points of Education + 12 junior credit pts of Art History and Theory. C Practical art course taken at The Tin Sheds.					1b
EDSE 3038 Teaching Visual Arts 1B	6	P 18 credit points of Education & 12 junior credit pts of Art History and Theory. C Practical art course taken at The Tin Sheds.					1b
EDSE 3005 Teaching Visual Arts 2A	4	P EDSE 3037 Teaching Visual Arts 1A & practical art course taken at The Tin Sheds. C Advanced practical art course taken at the Tin Sheds.					2
EDSE 3039 Teaching Visual Arts 2B	4	P EDSE 3037 Teaching Visual Arts IA & EDSE 3038 Teaching Visual Arts 1B and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds.					2
EDSE 3040 Teaching History 1	6	P 48 credit pts including 18 credit pts of Education.					1b
EDSE 3007 Teaching History 2	4	P EDSE 3006 History Curriculum1 or EDSE 3040 Teaching History 1.					2
EDSE 3041 Teaching Geography 1	6	P 48 credit pts including 18 credit pts of Education.					1b
EDSE 3009 Teaching Geography 2	4	P EDSE 3008 Geography Curriculum 1 or EDSE 3041 Teaching Geography 1.					2
EDSE 3042 Teaching Drama 1	6	P 48 credit pts including 18 credit pts of Education and 16 credit pts of Performance Studies.					1b
EDSE 3011 Teaching Drama 2	4	P EDSE 3010 Drama Curriculum 1 or EDSE 3042 Teaching Drama 1 + 16 credit points of Performance Studies.					2
EDSE 3043 Teaching TESOL 1	6	P 18 credit pts of Education + 28 credit pts of either English, Linguistics or Languages.					1b
EDSE 3013 Teaching TESOL 2	4	P EDSE 3012 TESOL Curriculum 1 or EDSE 3043 Teaching TESOL 1 + 28 credit pts of either English, Linguistics or Languages.					2
EDSE 3044 Teaching English 1	6	P 48 credit points including 18 credit points of Education.					1b
EDSE 3015 Teaching English 2	4	P EDSE 3044 Teaching English 1 or EDSE 3014 English Curriculum 1.					2
EDSE 3045 Teaching Mathematics 1A	6	P 18 credit points of Education and 20 credit points of Mathematics.					1b
EDSE 3046 Teaching Mathematics 1B	6	P 18 credit points of Education and 20 credit points of Mathematics.					1b
EDSE 3018 Teaching Mathematics 2A	4	P EDSE 3045 Teaching Mathematics 1A or EDSE 3016 Mathematics Curriculum 1A.					2
EDSE 3019 Teaching Mathematics 2B	4	P EDSE 3045 Teaching Mathematics 1A or EDSE 3016 Mathematics Curriculum 1A and EDSE 3046 Teaching Mathematics 1B or EDSE 3017 Mathematics Curriculum 1B.					2
EDSE 3047 Teaching LOTE 1A	6	P 18 credit pts of Education + 28 credit pts of languages.					1b
EDSE 3048 Teaching LOTE 1B	6	P 18 credit pts of Education + 28 credit pts of Languages.					1b
EDSE 3022 Teaching LOTE 2A	4	P EDSE 3020 LOTE Curriculum 1A or EDSE 3047 Teaching LOTE 1A.					2
EDSE 3023 Teaching LOTE 2B	4	P EDSE 3047 Teaching LOTE 1A or EDSE 3020 LOTE Curriculum 1A & EDSE 3048 Teaching LOTE 1B or EDSE 3021 LOTE Curriculum 1B.					2
EDSE 3049 Teaching Computer Studies 1	6	P 18 credit points of Education + 20 credit points Computer Studies.					1b
EDSE 3025 Teaching Computer Studies 2	4	P EDSE 3049 Teaching Computer Studies 1 or EDSE 3024 Computer Studies Curriculum 1.					2
EDSE 3050 Teaching Commerce/ Economics 1	6	P 48 credit pts including 18 credit pts of Education.					1b

Table of Bachelor of Education units of study (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
EDSE 3029 Teaching Commerce/Economics 2	4	P	EDSE 3028 Commerce/Economics Curriculum 1 or EDSE 3050 Teaching Commerce/Economics 1.				2
EDSE 3051 Teaching Science 1 (Core)	6	P	12 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.				1b
EDSE 3031 Teaching Science 2 (Core)	4	P	EDSE 3051 Teaching Science 1 (Core) or EDSE 3030 Science Curriculum 1 (Core).				2
EDSE 3052 Teaching Science Elective (Chemistry)	6	P	12 credit points of Chemistry & 12 credit points of Mathematics & 18 credit points of Education. C EDSE 3051 Teaching Science 1 (Core).				2
EDSE 3053 Teaching Science Elective (Senior Sci)	6	P	24 credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 18 credit points of Education. C EDSE 3051 Teaching Science 1 (Core).				1b
EDSE 3054 Teaching Science Elective (Biology)	6	P	12 credit points Biology and 18 credit points of Education. C EDSE 3051 Teaching Science 1 (Core).				1b
Year 4 Professional Studies (compulsory units)							
EDSE 4001 Information Technology in the Classroom	4	P	12 Credit points of Education.				1, 2
EDSE 4002 Information Tech Curriculum Project	4	P	48 credit points including 18 credit points of Education.				2
EDSE 4003 Craft Knowledge and Prof Practices 2	8	P	EDSE 3002 Craft Knowledge and Professional Practices 1.				2
EDSE 4004 Professional Experience 2	4	P	EDSE 3003 Professional Experience 1.				2a
EDSE 4005 Technology Professional Experience	4	P	96 credit points including 52 credit points of Education and EDSE 3003 Professional Experience 1. C EDSE 4004 Professional Experience 2 & EDSE 4002 Information Tech Curriculum Project.				2b
Year 4 Curriculum units							
EDSE 4006 Visual Arts Curriculum 3	4	P	EDSE 3005 Visual Arts Curriculum 2 Practical art course taken at the Tin Sheds Advanced practical art course taken at the Tin Sheds.				1a
EDSE 4007 History Curriculum 3	4	P	EDSE 3006 History Curriculum 1 & EDSE 3007 History Curriculum 2.				1a
EDSE 4008 Geography Curriculum 3	4	P	EDSE 3008 Geography Curriculum 1 & EDSE 3009 Geography Curriculum 2.				1a
EDSE 4009 Drama Curriculum 3	4	P	EDSE 3010 Drama Curriculum 1 & EDSE 3011 Drama Curriculum 2 + 12 credit points of Performance Studies.				1a
EDSE 4010 TESOL Curriculum 3	4	P	EDSE 3012 TESOL Curriculum 1 & EDSE 3013 TESOL Curriculum 2.				1a
EDSE 4011 English Curriculum 3	4	P	EDSE 3015 English Curriculum 2.				1a
EDSE 4012 Mathematics Curriculum 3A	4	P	EDSE 3018 Mathematics Curriculum 2A.				1a
EDSE 4013 Mathematics Curriculum 3B	4	P	EDSE 3018 Mathematics Curriculum 2A and EDSE 3019 Mathematics Curriculum 2B.				1a
EDSE 4014 LOTE Curriculum 3A	4	P	EDSE 3022 LOTE Curriculum 2A.				1a
EDSE 4015 LOTE Curriculum 3B	4	P	EDSE 3022 LOTE Curriculum 2A & EDSE 3023 LOTE Curriculum 2B.				1a
EDSE 4016 Computer Studies Curriculum 3	4	P	EDSE 3025 Computing Studies Curriculum 2.				1a
EDSE 4018 Commerce/Economics Curriculum 3	4	P	EDSE 3028 Commerce/Economics Curriculum 1 & EDSE 3029 Commerce/Economics Curriculum 2.				1a
EDSE 4019 Science Curriculum 3 (Core)	4	P	EDSE 3031 Science Curriculum 2 (Core).				1a
EDSE 4020 Science Curriculum 4 (Sci Hist & Phil)	4	P	EDSE 3031 Science Curriculum 2 (Core).				1
Year 5 Professional Studies (Compulsory units)							
EDSE 5007 Internship 2	8	P	96 credit points including 52 of Education and EDSE 3003 Professional Experience 1, EDSE 4004 Professional Experience 2 and EDSE 4005 Internship 1. <i>NB: Department permission required for enrolment in Session 1.</i>				1, 2b
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.				2
EDSE 5002 TESOL Professional Experience	4	P	24 credit points from one or two of English and/or Linguistics and/or Languages other than English.				2
EDSE 5003 Honours Thesis I	4	P	Credit or higher in EDUF 3206 Methodologies and Educational Research. <i>NB: Department permission required for enrolment.</i>				1
EDSE 5004 Honours Thesis II	12	P	EDSE 5003 Honours Thesis I. <i>NB: Department permission required for enrolment.</i>				2
EDSE 5005 The Teacher in Texts and Media	16	P	96 credit points including 52 credit points of Education.				2
EDSE 5006 Meeting the Needs of Cultural Diversity	16	P	96 credit points including 52 credit points of Education.				2

Table of Bachelor of Education units of study (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Secondary: BEd/BA(Psych), BEd/BSc(Psych)							
Year 2							
EDSE 4001	Information Technology in the Classroom	4	P	12 Credit points of Education.			1, 2
EDSP 2001	Counselling Practicum 1	2					1
Year 3 Professional Studies (Compulsory units)							
EDSP 3001	Teaching Practicum 1	2	P	48 credit points including 18 credit points of Education and EDSP 3002 Teaching and Learning (Psychology).			2
EDSP 3002	Teaching and Learning (Psychology)	4	P	48 credit points including 18 credit points of Education.			1
■ BEd (Secondary: Human Movement and Health Education)							
Year 1 (New students from 2004)							
EDUH 1001	Foundations of PDHPE	6					1
EDUH 1002	Motor Skill Acquisition	3					2
EDUH 1003	Practical Study in Physical Education 1	3					2
EDUH 1016	Human Bioscience	6	N	BIOL 1003, BIOL 1903.			2
EDUH 1017	Sports Mechanics	6	A	No assumed knowledge of Physics.			1
			N	PHYS 1001, PHYS 1002, PHYS 1901.			
Year 2 Curriculum & Professional Studies (Students from 2003)							
EDUH 2006	Practical Studies in PE 2	6					1
EDUH 2007	Teaching and Learning in PDHPE	4	P	36 credit points including 12 credit points from Education.			1
EDUH 2001	Applied Anatomy and Physiology	4	P	EDUH 1016 Human Bioscience.			2
EDUH 2004	School Experience 1	2	P	36 credit points including 12 from Education.			2
EDUH 2005	Determinants of Health	4	P	36 credit points including 12 credit points from Education.			2
Year 3 Curriculum & Professional Studies (Continuing Students)							
EDUH 3013	Biomechanics	4	P	EDUH 2001 Applied Anatomy & Physiology and EDUH 2023 Motor Learning.			1
EDUH 3015	Teaching PDHPE 2	4	P	EDUH 2015 Teaching PDHPE 1 and EDUH 2026 Teaching Practice 1.			1
EDUH 3016	Foundations of Health Education	4	P	EDUH 2025 Health Education Pedagogy 1.			1
EDUH 3023	Exercise Physiology	4	P	EDUH 2001 Applied Anatomy & Physiology and EDUH 2023 Motor Learning.			1
EDUH 3014	Assessment and Evaluation in PDHPE	4	P	EDUH 2015 Teaching PDHPE 1.			2
EDUH 3024	Health Education Pedagogy 2	4	P	EDUH 2025 Health Education Pedagogy 1.			2
EDUH 3025	Applied Skills in Physical Education 3	4	P	EDUH 2003 Applied Skills in Physical Education 2.			2
EDUH 3026	Teaching Practice 2	4	P	EDUH 2026 and EDUH 2015 and EDUH 3015.			2
Year 4 Curriculum & Professional Studies (Continuing Students)							
EDUH 4013	Adapted PDHPE	4	P	EDUH 3021 Special Education: Inclusive Schools.			1
EDUH 4014	Sport Psychology	4	P	EDUH 2015 and EDUH 2023 and either EDUH 2001 or EDUH 2013.			1
EDUH 4015	Administration of PDHPE and Sport	4	P	EDUH 2015 and EDUH 3015.			1
EDUH 4016	Health Education Pedagogy 3	4	P	EDUH 2025 and EDUH 3024.			1
EDUH 4017	Planning for Healthy Behaviour 1	4	P	EDUH 3016.			1
EDUH 4001	Contemporary Studies in PDHPE	4	P	EDUH 2015 Teaching PDHPE 1 and EDUH 3015 Teaching PDHPE 2.			2
EDUH 4023	Sports Medicine	4	P	EDUH 2013 or EDUH 2001 and EDUH 3023 and EDUH 3013.			2
EDUH 4024	Health Education Pedagogy 4	4	P	EDUH 2025 and EDUH 3024 and EDUH 4016.			2
EDUH 4026	Applied Skills in Physical Education 4	4	P	EDUH 2014 or EDUH 2002 and EDUH 2024 or EDUH 2003 and EDUH 3025.			2
EDUH 4027	Teaching Practice 3	4	P	EDUH 3026.			2

Table of Bachelor of Education units of study (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
Year 4 Options							
EDUH 4029 Mental Health Promotion	4	P	40 credit points of professional studies in HMHE.				1
EDUH 4030 Coaching Concepts	4	P	60 credit points of professional studies in HMHE.				1, 2
EDUH 4032 Empirical Studies in Exercise Physiology	4	P	60 credit points of professional studies in HMHE.				1, 2
EDUH 4034 Recreation Leadership and Management	4	P	40 credit points of professional studies in HMHE.				1
EDUH 4046 Fitness Training: Theory and Practice	4	P	40 credit points of professional studies in HMHE.				1
EDUH 4036 Cross Cultural Aspects of PE & Sport	4	P	40 credit points of professional studies in HMHE.				2
EDUH 4040 Issues in Nutrition Education	4	P	40 credit points of professional studies in HMHE.				2
EDUH 4043 Human Movement and Health Ed Ind Study	4	P	60 credit points of professional studies in HMHE.				1, 2
EDUH 4045 Human Movement & Health Ed Spec Project	4	P	60 credit points of professional studies in HMHE.				1, 2
BEEd (Secondary: Design and Technology)							
Year 2 Professional Studies (Compulsory units)							
EDDT 2007 Teaching and Learning 1 (D & T)	8						1
EDDT 2005 Teaching Technology 1A	2						1
EDDT 2006 Teaching Technology 1B	2	P	EDDT 2005.				2
EDDT 2009 Design Fundamentals 1A	10						1
EDDT 2010 Design Fundamentals 1B	10	P	EDDT 2009.				2
Year 2 Curriculum units							
EDDT 2001 Information Processes and Technology 1	2						1
EDDT 2002 Information Processes and Technology 2	2	P	EDDT 2001.				2
EDDT 2003 Food Science 1	2						1
EDDT 2004 Food Science 2	2	P	EDDT 2003.				2
Year 3 Professional Studies (Compulsory units)							
EDDT 3001 Design Fundamentals 2A	12	P	EDDT 2009 & EDDT 2010. <i>NB: Classes follow TAFE enrolment pattern.</i>				1
EDDT 3002 Design Fundamentals 2B	12	P	EDDT 2009 & EDDT 2010 & EDDT 3001. <i>NB: Classes follow TAFE enrolment pattern.</i>				2
EDDT 3003 Teaching Technology 2A	4	P	EDDT 2005 & EDDT 2006.				1
EDDT 3004 Teaching Technology 2B	4	P	EDDT 2005 & EDDT 2006 & EDDT 3003.				2
EDDT 3005 Professional Experience A	4						2
Year 4 Professional Studies (Compulsory units)							
EDDT 4001 Teaching and Learning 2 (D & T)	8	P	EDSE 3002 Craft, Knowledge and Professional Practice 1 or EDDT 2007 Teaching and Learning 1 (D&T).				1
EDDT 4003 Teaching Technology 3A	2	P	EDDT 2005 Teaching Technology 1A, EDDT 2006 Teaching Technology 1B, EDDT 3003 Teaching Technology 2A and EDDT 3004 Teaching Technology 2B.				1
EDDT 4004 Teaching Technology 3B	2	P	EDDT 2005,2006 Teaching Technology 1A & 1B and EDDT 3003,3004 Teaching Technology 2A & 2B and EDDT 4003 Teaching Technology 3A.				2
EDDT 4013 Professional Experience B	6	P	EDDT 3005 Professional Experience A.				2
EDDT 4014 Graduating Design Project	10	P	72 credit points of Design and Technology Education units.				2
Year 4 Curriculum units							
EDDT 4005 Food Science 3	3	P	EDDT 2003 Food Science 1 and EDDT 2004 Food Science 2.				1
EDDT 4006 Food Science 4	3	P	EDDT 2003 Food Science 1, EDDT 2004 Food Science 2 and EDDT 4005 Food Science 3.				2
EDDT 4007 Software Design & Development 1	3						1
EDDT 4008 Software Design & Development 2	3	P	EDDT 4007 Software Design and Development 1.				2
EDDT 4009 Teaching Tech (VET – IT) 1	3	P	EDDT 2005,2006 Teaching Technology 1A & 1B and EDDT 3003,3004 Teaching Technology 2A & 2B.				1

Table of Bachelor of Education units of study (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
EDDT 4010 Teaching Tech (VET – IT) 2	3		P EDDT 2005,2006 Teaching Technology 1A & 1B and EDDT 3003,3004 Teaching Technology 2A & 2B and EDDT 4009 Teaching Tech (VET-IT) 1.				2
EDDT 4011 Teaching Tech (VET – Hosp) 1	3		P EDDT 2005,2006 Teaching Technology 1A,1B & EDDT 3003,3004 Teaching Technology 2A, 2B.				1
EDDT 4012 Teaching Tech (VET – Hosp) 2	3		P EDDT 2005,2006 Teaching Technology 1A,1B & EDDT 3003,3004 Teaching Technology 2A, 2B.				2
BEd(Primary)							
Year 1 (New students from 2004)							
EDUP 1001 Creative Arts 1	6						1
EDUP 1002 Teaching and Learning: Literacy (Intro)	6						2
Year 2 Curriculum & Professional Studies (Students from 2003)							
EDUP 2002 English 2: Writing as Social Practice	4		P EDUP 1002 Teaching and Learning Literacy (Intro).				1
EDUP 2005 Mathematics 1: Exploring Early Number	4						1
EDUP 2006 Indigenous Australian Education	4						1
EDUP 2003 Professional Experiences 1 (Primary)	4		P EDUP 1002 Introduction to Teaching and Learning: Literacy.				2
EDUP 2004 PDHPE1: Physical Activity	4						2
Year 3 Curriculum & Professional Studies (Continuing Students)							
EDUP 3011 Drama in Primary Education	2		P EDUP 2012 The Beginnings of Literacy.				1
EDUP 3013 Maths 2: the Theory/Practice Link	2		P Maths 1: First three years of Schooling (EDUP 2013).				1
EDUP 3014 Personal Dev and Health in Schools 1	2		P EDUP 2023 Physical Education: Games.				1
EDUP 3015 Teaching and Curriculum 2	2		P EDUP 2001 Introduction to Teaching and Curriculum.				1
EDUP 3016 Practicum 3A	6		P EDUP 2001 Introduction to Teaching and Curriculum.				1
EDUP 3021 Indigenous Australian Education	2						2
EDUP 3024 Science and Technology in K–6 Classroom	2		P EDUP 2014 Introduction to Science & Technology K–6.				2
EDUP 3025 TESOL in Primary Education	2		P EDUP 2012.				2b
EDUP 3026 Practicum 3B	6		P EDUP 3016 Practicum 3A.				2
EDUP 3031 Maths 3: Space Measurement Chance & Data	2		P EDUP 2013 Mathematics 1: The First Three Years of Schooling.				2
EDUP 3032 Literature & Literacies: The Middle Yrs	2		P EDUP 2012 The Beginnings of Literacy.				2
EDUP 3033 The Development of Written Language	2		P EDUP 2012 The Beginnings of Literacy.				1
Honours: Primary							
EDUF 3205 Beginning Educational Research	4		<i>NB: Department permission required for enrolment. Credit average across EDUF 2006 and EDUF 2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.</i>				1
EDUF 3206 Methodologies and Educational Research	4		P Credit or higher in EDUF 3205.				2
			<i>NB: Department permission required for enrolment.</i>				
EDUP 4052 Spec unit (Primary) Honours A	8		P Credit or higher in EDUF 3206.				1
			<i>NB: Department permission required for enrolment.</i>				
EDUP 4053 Spec unit (Primary) Honours B	8		P Credit or higher in EDUF 3206.				2
			<i>NB: Department permission required for enrolment.</i>				
Year 4 Curriculum & Professional Studies (Continuing Students)							
EDUP 4012 Multiliteracies, Metalang & Eng Teach	2		P EDUP 3032 Literature & Literacies: The Middle Yrs and EDUP 3033 The Development of Written Language.				1
EDUP 4013 Music Education: Extension	2		P EDUP 2021 Music Education: Introduction.				1
EDUP 4014 Physical Education: Gym and Dance	2		P EDUP 2023 Physical education: Games.				1
EDUP 4015 Visual Arts K–6 2	2		P EDUP 2011 Visual Arts K–6 1.				1
EDUP 4016 Practicum 4A	6		P EDUP 3016 Practicum 3A and EDUP 3026 Practicum 3B.				1
EDUP 4021 Teaching and Curriculum 3	2		P EDUP 3015 Teaching and Curriculum 2.				1
EDUP 4011 Human Society and its Environment 2	2		P EDUP 2022 Human Society & its Environment Ed. 1.				2

Table of Bachelor of Education units of study (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
EDUP 4022 Maths 4: Teaching an Inquiry-Based Class	2	P	EDUP 3031 Maths 3: Space Measurement Chance & Data.				2
EDUP 4023 Personal Dev and Health in Schools 2	2	P	EDUP 3014 Personal Development and Health in Schools 1.				2
EDUP 4024 Teach Sc & Tech K–6 in Social Context	2	P	EDUP 3024 Science and Technology in the K–6 Curriculum.				2
EDUP 4025 Teaching Children with Special Needs	2	P	EDUP 3031 Maths 3 and EDUP 3032 Literature & Literacies.				2
EDUP 4026 Practicum 4B	6	P	EDUP 4016 Practicum 4A.				2
Special units (Primary)							
EDUP 4001 Cultural Literacies in the Classroom A	8	P	EDUP 3033 The Development of Written Language and EDUP 3032 Literature & Literacies: The Middle Yrs. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4002 Cultural Literacies in the Classroom B	8	P	EDUP 4001 Cultural Literacies in the Classroom A. <i>NB: Department permission required for enrolment.</i>				2
EDUP 4003 Gifted and Talented Education A	8		<i>NB: Department permission required for enrolment.</i>				1
EDUP 4004 Gifted and Talented Education B	8	P	EDUP 4003 Gifted and Talented Education A. <i>NB: Department permission required for enrolment.</i>				2
EDUP 4005 IT in the Primary Classroom A	8	P	48 credit points including 20 credit points of Education. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4006 IT in the Primary Classroom B	8	P	EDUP 4005 Information Technology in the Primary Classroom (A). <i>NB: Department permission required for enrolment.</i>				2
EDUP 4046 Spec unit (Primary) Languages A	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4047 Spec unit (Primary) Languages B	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				2
EDUP 4048 Spec unit (Primary) TESOL A	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4049 Spec unit (Primary) TESOL B	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				2
EDUP 4054 Spec unit (Primary) Special Education A	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4055 Spec unit (Primary) Special Education B	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				2
EDUP 4056 Spec unit (Prim) Koori Kids in School A	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4057 Spec unit (Prim) Koori Kids in School B	8	P	EDUP 2012 and EDUP 2013 and EDUP 2014 and EDUP 2021 and EDUP 2022 and EDUP 2023 and EDUP 2024 and EDUP 3011 and EDUP 3013 and EDUP 3014 and EDUP 3015 and EDUP 3016 and EDUP 3024 and EDUP 3025 and EDUP 3026 and EDUP 3031 and EDUP 3032 and EDUP 3033. <i>NB: Department permission required for enrolment.</i>				2
EDUP 4060 Spec unit (Primary) Integrated Arts A	8	P	EDUP 2011 Visual Arts K–6 1, EDUP 2012 The Beginnings of Literacy. <i>NB: Department permission required for enrolment.</i>				1
EDUP 4061 Spec unit (Primary) Integrated Arts B	8	P	EDUP 4060 Spec unit (Primary) Integrated Arts A. <i>NB: Department permission required for enrolment.</i>				2

5 Arts units of study

Units of study in this chapter are listed by unit code. To find a unit of study by name, refer to the index at the back of this handbook. Students should always check unit of study availability with the relevant department.

■ Aboriginal Studies

KOCR 2100 Indigenous Australia

8 credit points. Ms Blanchard. **Session:** 1, 2, Summer. **Classes:** 2 lec & 1 x 2hr tut/wk. **Prerequisite:** 18 Junior credit points. **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 2101 Indigenous Australia: Land and Culture

8 credit points. Ms Blanchard. **Session:** 1, 2. **Classes:** 2 lec & 1 x 2hr tut/wk. **Prerequisite:** KOCR 2100. **Assessment:** Cultural icon exercise, seminar presentation, essay.

BEDSec (Aboriginal Studies) in Semester one only. Other students only in semester 2.

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 2102 Indigenous Australia: Policy and Power

8 credit points. Ms Blanchard. **Session:** 2. **Classes:** 2 x 2hr seminars. **Prerequisite:** KOCR 2100. **Assessment:** Media file, research project and exhibition.

B.A and B.Educ students in Semester 2.

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 2111 Health & Community in Aboriginal Aust

8 credit points. Ms Blanchard. **Session:** 1, 2. **Classes:** 2 lec & 1 x 2hr tut/wk. **Prerequisite:** KOCR 2100. **Assessment:** Presentation, exhibition and journal.

Offered to Dip.Educ. students in semester 2 only. Other students in semester 1 only.

This unit of study will focus on the historical and contemporary influences on Aboriginal and Torres Strait Islander health status. There will be a concentration on the nature of Indigenous health issues raised by Aboriginal people and how this can often be in contrast to the development and delivery of health programs by non-Indigenous cultures. The relationship between Aboriginal and Torres Strait Islander communities and the health and well-being of community members will also be considered. Other topics to be discussed in the unit of study include aging, ethical practices in Indigenous health research, Aboriginal child-rearing, Aboriginal mental health, and traditional medicines.

■ Ancient History

ANHS 1003 Foundations for Ancient History: Greece

6 credit points. Dr K Welch. **Session:** 1. **Classes:** 2 lec and 1 tut/wk. **Assessment:** One 1500 word tutorial paper; one 2 hr formal exam; one reading journal and one tutorial participation (together equivalent to 1000 words).

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. Dr N Weeks. **Session:** 2. **Classes:** 3 lec and 1 tut/wk. **Assessment:** 1500w tut paper, 2.5 hr exam.

Power and Persuasion in Julio-Claudian Rome

Rome under the Julio-Claudian emperors saw the development of autocratic and imperial power. Its success lay in the elaboration of a language of power in both literary and visual terms alongside other strategies to persuade different elements of the population to accept the power of the emperor and of the Roman state. We shall examine the success and failure of contemporary mechanisms of persuasion under Augustus, Tiberius and Caligula.

Power and Persuasion in the Ancient Near East

Do the images of the rampaging pharaoh in his chariot or the brutal Assyrian conquerors mean that these states had no idea of the subtleties of what today is called propaganda? Even if that were so, what of other societies like Israel and the Hittites? Examples from the Near East of the second millennium BC show the varieties in relating ideas of religion and political order to socio-political life and also the similarity of the problems each faced.

ANHS 1801 Ancient History Exchange

6 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ANHS 2003 Ancient Greek Democracy

8 credit points. Dr J O'Neil. **Session:** 2. **Classes:** 2 lectures, 1 tut/wk. **Prerequisite:** 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. **Assessment:** One two hour exam; one 3000w essay; one 1000w tut paper; 60% classwork, 40% exam.

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

This course 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 2005 Despots, Priests and People

8 credit points. Dr N Weeks. **Session:** 1. **Classes:** 2 lectures and 1 tut/week. **Prerequisite:** 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. **Assessment:** 2 hr exam, one 2500 word essay, one 1,000 word tutorial paper.

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

The popular image of the Ancient Near East emphasises despots and powerful priests. Was that the reality? Or was there a necessity to accommodate popular feelings and needs? Can the diverse societies be seen in terms of one paradigm? The course explores, thematically and comparatively, the political structures of representative Ancient Near Eastern states. It looks at the

distribution of power through society and considers the ideological justifications of political power.

ANHS 2801 Ancient History Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANHS 2802 Ancient History Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANHS 2803 Ancient History Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANHS 2807 Ancient History Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANHS 2808 Ancient History Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANHS 2901 Ancient Historians Rethink History I

4 credit points. Dr N Weeks. **Session:** 1. **Classes:** 1 lec & 1 tut/wk. **Prerequisite:** Credit or above result in 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. **Assessment:** 1500 word take-home exam, 1500 word seminar paper.

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.

ANHS 2902 Ancient Historians Rethink History II

4 credit points. Dr N Weeks. **Session:** 2. **Classes:** 1 lec & 1 tut/wk. **Prerequisite:** ANHS 2901 or HSTY 2901. **Assessment:** 2000 word essay, 2hr formal exam, participation.

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 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 3902 The Mediterranean World 52–30 BC II

4 credit points. Dr K Welch. **Session:** 2. **Classes:** one 2 hr seminar/week. **Prerequisite:** ANHS 3911. **Assessment:** 4000 word seminar paper.

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

In 51, Cleopatra VII, inherited royal power in Egypt; in 49, Caesar crossed the Rubicon, Pompey's decision to move the Roman civil war to the East and Antony's need for a power base against Octavian ensured that Roman and Hellenistic history would be inseparably linked for the next twenty years. This course offers a chance to study the crisis in Mediterranean world from both points of view and to see how two ends of it were affected by each other. Only by moving East as the Romans did will we understand the mechanics of their civil wars and the deep-seated changes which resulted from them. How did the different societies change under the pressure of war? What role did the Hellenistic world play in shaping the consciousness of the victors of what Rome was and what it was not? This period, with its richness of textual, architectural, numismatic and epigraphic sources, allows us to employ a range of evidence and approaches in order to develop skills in historical research and analysis.

ANHS 3903 Documents and Ancient History (Greek)

4 credit points. Dr K Welch. **Session:** 2. **Classes:** 1 hr/wk. **Prerequisite:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902: HSC Greek or GRKA 1001 & 1002 or GRKA 2301 & 2302. **Assessment:** 2 hr formal exam; 2000 word paper.

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 (eg, 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 3904 Documents and Ancient History (Latin)

4 credit points. Dr K Welch. **Session:** 1. **Classes:** 1 hr/wk. **Prerequisite:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902: HSC Latin or LATN 1001 & 1002 or LATN 2301 & 2302. **Assessment:** 2 hr exam; 2000 word paper.

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 (eg, 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 3905 Research in Ancient History

4 credit points. Dr K Welch. **Session:** 2. **Prerequisite:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902. **Prohibition:** ANHS 3924. **Assessment:** 4000 word essay.

Students will select a research topic and write a 4000 word research essay under the supervision of a member of the department of Ancient History or a qualified person approved by the chair of the department.

ANHS 3911 The Mediterranean World 88–49 BC

4 credit points. Dr Welch. **Session:** 1. **Classes:** one 2 hr seminar/week. **Prerequisite:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902. **Assessment:** 2500 word seminar paper; one and a half hour exam.

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

In 88, Mithridates slaughtered tens of thousands of Romans and Italians to mark the beginning of a war against 'the Oppressor'; in the same year civil war broke out in Rome itself. The two incidents were not unrelated. Roman and Hellenistic history were inseparably linked for the entire history of the Roman civil wars. This course offers a chance to study the crisis in the Mediterranean world from both points of view and to see how two ends of it were affected by each other. Only by moving East as the Romans did will we understand the mechanics of their civil wars and the deep-seated changes which results from them. How did the different societies change under the pressure of war? What role did the Hellenistic world play in shaping the consciousness of the victors of what Rome was and what it was not? This period, with its richness of textual, architectural, numismatic and epigraphic sources, allows us to employ a range of evidence and approaches in order to develop skills in historical research and analysis.

ANHS 3921 Assyrian Imperialism

4 credit points. Dr N Weeks. **Session:** 1. **Classes:** 2hr seminar/wk. **Prerequisite:** Credit results in 24 Senior credit points of Ancient History or History including ANHS 2901 & 2902 or HSTY 2901 & 2902. **Assessment:** One 3000 word seminar paper.

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

The image conveyed by the Assyrians themselves was one of brutality combined with great energy and efficiency. To understand the impact of their march to empire one must understand how they themselves portrayed it. This unit of study is designed to lead students to an understanding of a significant imperialism through reading Assyrian texts. It will concentrate upon laying the background both in terms of the general history of the region and theories of imperialism.

ANHS 3922 Akkadian Language II

4 credit points. Dr N Weeks. **Session:** 2. **Classes:** 2hr seminar/wk. **Prerequisite:** ANHS 3923. **Assessment:** one 1hr exam, one 2000 word seminar paper or equivalent.

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

A focus on the reading and discussion of representative Assyrian texts.

ANHS 3923 Akkadian Language I

4 credit points. Dr N Weeks. **Session:** 1. **Classes:** 2 hrs/wk. **Prerequisite:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902; or HSC Hebrew, HBRW 1111, Arabic 1, or equivalent in these or another Semitic language. **Assessment:** 1 hr formal exam, and 10 weekly exercises each equivalent to 200 words.

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

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

ANHS 3925 Amarna Age I

4 credit points. Dr N Weeks. **Session:** 1. **Classes:** 2hr seminar/wk. **Prerequisite:** ANHS 3922 or equivalent. **Assessment:** 1hr exam; 2000 word seminar paper.

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

A study of the Amarna period, focusing on Syria-Palestine and making primary use of the Amarna Letters. Examples of topics which come within the scope of the course are: Egyptian imperialism, great power dynamics and the Hapiru/Hebrew question. Aims and objectives are to make students aware of the problems of historical reconstructions based largely on correspondence and to enable them to work with the linguistically complex Amarna Letters.

ANHS 3926 Amarna Age II

4 credit points. Dr N Weeks. **Session:** 2. **Classes:** 2hr seminar/wk. **Prerequisite:** ANHS 3925. **Assessment:** 1hr exam, 2000 word seminar paper.

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

See description for ANHS 3925.

ANHS 4011 Ancient History Honours A

12 credit points. Dr N Weeks. **Session:** 1, 2. **Prerequisite:** Credit average in 48 Senior cp in ANHS or HSTY including 16 cp at ANHS 3900 or HSTY 3900 level or equivalent. **Assessment:** 20,000 word thesis; for assessment of other units see descriptions of those units.

Department permission required for enrolment.

Ancient History Honours consists of four components: a thesis written on an approved topic in Ancient History over both semesters and three units of study from the 3000 units. Consult Dr Weeks, the coordinator of Ancient History Honours, for details of the program and assessment. Students must enrol in Ancient History Honours A,B,C and D.

ANHS 4012 Ancient History Honours B

12 credit points. **Session:** 1, 2. **Prerequisite:** Refer to ANHS 4011. **Corequisite:** ANHS 4011. **Assessment:** Refer to ANHS 4011. Refer to ANHS 4011

ANHS 4013 Ancient History Honours C

12 credit points. **Session:** 1, 2. **Prerequisite:** Refer to ANHS 4011. **Corequisite:** ANHS 4012. **Assessment:** Refer to ANHS 4011. Refer to ANHS 4011

ANHS 4014 Ancient History Honours D

12 credit points. **Session:** 1, 2. **Prerequisite:** Refer to ANHS 4011. **Corequisite:** ANHS 4013. **Assessment:** Refer to ANHS 4011. Refer to ANHS 4011

■ Anthropology**ANTH 1001 Anthropology and Cultural Difference**

6 credit points. Professor Diane Austin-Broos. **Session:** 1. **Classes:** 2 lectures & 1 tutorial per week. Occasional hour-long optional film-screenings and workshops. **Prohibition:** ANTH 1003. **Assessment:** 2500 words of written work and one 2 hour exam.

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 available from the University Copy Centre.

ANTH 1002 Globalisation and Experience

6 credit points. Associate Professor Hage. **Session:** 2, Summer. **Classes:** 2 lectures and 1 tutorial per week. **Prohibition:** ANTH 1004. **Assessment:** 2500 words of written work and one 2 hour examination.

Anthropology's ethnographic method, long term embedded-ness within a specific culture, allows for a particularly intimate understanding of people's experiences of the social worlds they inhabit. This course shows the importance of this experiential intimacy for understanding some of the key issues associated with globalisation: the culturally diverse adaptations of global capitalism, the transnational communities emanating from global population movements, the transformations of colonial and post-colonial cultures, the rise of global Islamic movements and the corresponding transformation of Western nationalism.

Textbooks

Readings available from the University Copy Centre

ANTH 1801 Social Anthropology Exchange

6 credit points. **Session:** 1, 2. Department permission required for enrolment.

ANTH 1802 Social Anthropology Exchange

6 credit points. **Session:** 1, 2. Department permission required for enrolment.

ANTH 2001 Ethnography of Mainland Southeast Asia

8 credit points. Dr Basham. **Session:** 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisite:** 12 Junior credit points of Anthropology. **Assessment:** 4000 words written work and one 2 hour exam.

The unit will focus on the lowland populations of Burma, Thailand, Vietnam and Malaysia with the view of developing understanding of their cultures and societies.

Textbooks

Readings available from the University Copy Centre.

ANTH 2007 Ritual and Festivity in Brazil

8 credit points. Dr Lewis. **Session:** 1. **Classes:** 2 lectures & 1 tutorial per week. **Prerequisite:** 12 Junior credit points of Anthropology. **Assessment:** 6,000 words written work.

In this unit we will try to get a feeling for Brazilian culture through an examination of aesthetic and spiritual practices of many types. The class will investigate a variety of religious traditions derived from African, European, and native Amerindian sources, as well as: games and sports, music and dance, parades and pilgrimages, and the famous pre-Lenten Carnival celebrations. In addition to ethnographies, we will see films and videos, listen to music, and consider why theories have often tended to distance scholars from these forms of embodied engagement.

Textbooks

Reading lists will be available at the beginning of lectures.

ANTH 2016 Indonesian Cultures: Bali to Borneo

8 credit points. **Session:** Summer. **Classes:** 2 lectures & 1 tutorial per week. **Prerequisite:** 12 Junior credit points of Anthropology. **Assessment:** Two essays and exam.

An introduction to the societies and cultures of Indonesia and an analysis of anthropologists' representations of these cultures. Part One, which focuses on Bali, uses indigenous accounts of complex rituals*, ranging from State-sponsored cremations to village trance seances*, to investigate anthropological conceptions of symbols and identity. The second part compares the large, densely settled and hierarchical, societies of Java with the egalitarian long-houses of Central Borneo, and poses questions about gender and fertility, rank and sociability.

Textbooks

Readings available from the University Copy Centre.

ANTH 2019 Chinese in Southeast Asia

8 credit points. Dr Yao. **Session:** 1. **Classes:** Two lectures and one tutorial. **Prerequisite:** 12 Junior credit points of Anthropology. **Assessment:** 4000 words written work and one 2 hour exam.

In Southeast Asia the relations between ethnic Chinese and 'indigenous communities' have often been marked by antagonism and violence. Much of this can be traced back to colonial policy of 'divide and rule', the need of the ethnic Chinese to maintain their cultural communities, and local nationalism which inscribes the 'Chinese Other' for its own ideological purposes. In the recent years, the expansion of transnational capitalism in the region has further complicated the positions of ethnic Chinese. The course will examine the ethnic Chinese in Southeast Asia in the light of the national, regional and transnational processes.

Textbooks

Readings will be available at the Copy Centre.

ANTH 2021 Initiation Rituals

8 credit points. Dr Mimica. **Session:** 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisite:** 12 Junior credit points of Anthropology. **Assessment:** 6000 words of written work.

The course 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 course 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 2022 Ethnographic Film

8 credit points. Dr Maclean/ Associate Professor Feil. **Session:** 1, Summer. **Classes:** 3 lectures & 1 tutorial per week. **Prerequisite:** 12 Junior credit points of Anthropology. **Prohibition:** ANTH 2106. **Assessment:** 4000 words written work and one 2 hour exam.

This course 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 covered will 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. **THE COURSE IS A CRITICAL, NOT A PRACTICAL ONE.**

Textbooks

Readings available from the University Copy Centre.

ANTH 2023 Gender: Anthropological Studies

8 credit points. Dr Nihill. **Session:** 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisite:** 12 junior credit points of Anthropology. **Prohibition:** ANTH 2020 Studies in Melanesian Gender. **Assessment:** 5000 words written work and one 1 hour exam.

This course 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 2025 Aboriginal Australia: Cultural Journeys

8 credit points. Dr Gaynor Macdonald. **Session:** 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisite:** 12 Junior credit points of Anthropology. **Prohibition:** ANTH 2010. **Assessment:** 4000 words written work and one 2 hour examination.

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 2112 Australia-Pacific: Indigenous Worlds

8 credit points. Associate Professor Daryl Feil. **Session:** 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisite:** 18 Junior credit points. **Assessment:** 4000 words written work and One 2 hour examination.

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 2801 Social Anthropology Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANTH 2802 Social Anthropology Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANTH 2803 Social Anthropology Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANTH 2807 Social Anthropology Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANTH 2808 Social Anthropology Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ANTH 3835 Reading Aboriginal Ethnographies

4 credit points. Dr Macdonald. **Session:** 2. **Classes:** One seminar per week. **Prerequisite:** 16 credit points of senior Anthropology completed at credit level or above. **Assessment:** 4000 words of written work.

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

The course 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 3903 Marxism and Anthropology

4 credit points. Dr Maclean. **Session:** 2. **Classes:** One 2 hour seminar per week. **Prerequisite:** 16 credit points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words of written work.

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

This unit of study identifies two diacritical characteristics of Marxist analysis that have had a critical impact on the dominant anthropological tropes of structure and culture: its dialectical mode of thought, writing and analysis; its materialism which is always an historical materialism. With these characteristics in mind the unit of study will explore the recent history of anthropology's appropriation of Marxism. We will trace the shift from the emphasis on the material and social conditions of production, with its particular concern with problems of power and ecological conditions, in the structural Marxism of the late 1970s and early 1980s through the emphasis on exchange and global systems organised around the core concept of the commodity in the 1980s through to the current emphasis on consumption as the focal point of both a phenomenological and post-structuralist critique of Marxism. The unit of study will explore the proposition that while the distinctive contribution of Marxism is a marriage of materialist and dialectical perspectives, the history of Marxist anthropology reveals that the one is often developed at the expense of the other.

Textbooks

Reading lists will be available at the beginning of lectures

ANTH 3907 Southeast Asia: Exemplary Studies

4 credit points. Dr Basham. **Session:** 1. **Classes:** One 2 hour seminar per week. **Prerequisite:** 16 credit points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words written work.

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

This course will focus on reading and discussion of classic ethnographies of South-east Asian societies.

Textbooks

Reading lists will be available at the beginning of lectures.

ANTH 3912 Embodiment

4 credit points. Dr Lewis. **Session:** 1. **Classes:** One 2 hour seminar per week. **Prerequisite:** 16 credit points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words written work.

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

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 problematic of the theory-practice dichotomy itself, a timely issue in anthropology, performance studies, and many interdisciplinary projects.

Textbooks

Readings will be available at the beginning of lectures.

ANTH 3921 Advanced Anthropology 1

4 credit points. Dr Maclean. **Session:** 1. **Classes:** 2 hour seminar. **Prerequisite:** 16 credit points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words of written work.

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

Advanced Anthropology 1 and Advanced Anthropology 2 are linked courses intended for potential fourth year honours students in anthropology. they are designed to consolidate an understanding of contemporary debates within the discipline and give students the research skills required to frame a specific research project.

Practical: Workshop/s on the use of library based resources in Anthropology

Textbooks

Readings will be advised by lecturer

ANTH 3922 **Advanced Anthropology 2**

4 credit points. Professor Austin-Broos. **Session:** 2. **Classes:** 2 hour seminar. **Prerequisite:** 16 credit points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words of written work.

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

Advanced Anthropology 1 and Advanced Anthropology 2 are linked courses intended for potential fourth year honours students in anthropology. they are designed to consolidate an understanding of contemporary debates within the discipline and give students the research skills required to frame a specific research project.

Textbooks

Readings will be advised by lecturer

ANTH 3951 **Reading Melanesian Ethnography**

4 credit points. Dr Mimica. **Session:** 1. **Classes:** One 2 hour seminar per week. **Prerequisite:** 16 credit points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words written work.

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

This course 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. These are subjected to a systematic and constructive critique grounded in existential phenomenology and psychoanalysis. The aim of the course is to provide both a critical understanding of specific New Guinea life-worlds and of the theoretical ideas which have shaped the minds of particular ethnographers.

Textbooks

Reading lists will be available at the beginning of lectures.

ANTH 4011 **Social Anthropology Honours A**

12 credit points. Dr Mimica. **Session:** 1, 2. **Classes:** Consult Department. **Prerequisite:** 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:** Consult Department.

Department permission required for enrolment.

ANTH 4012 **Social Anthropology Honours B**

12 credit points. **Session:** 1, 2. **Corequisite:** ANTH 4011. Please refer to ANTH 4011

ANTH 4013 **Social Anthropology Honours C**

12 credit points. **Session:** 1, 2. **Corequisite:** ANTH 4012. Please refer to ANTH 4011

ANTH 4014 **Social Anthropology Honours D**

12 credit points. **Session:** 1, 2. **Corequisite:** ANTH 4013. Please refer to ANTH 4011

■ Arabic Language and Literature

ARBC 1101 **Introductory Arabic 1 B1**

6 credit points. A/Professor Shboul. **Session:** 1. **Classes:** 4 face-to-face classes per week + 1 hour autonomous learning in language lab. **Prohibition:** 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 1102 in second semester.

Textbooks

Nijmeh Hajjar, Living Arabic in Context: Arabic for Beginners, Stage 1, Canberra, 2003

Recorded Audio material is available (consult Department).

ARBC 1102 **Introductory Arabic 2 B2**

6 credit points. A/Professor Shboul. **Session:** 2. **Classes:** 4 face-to-face classes per week + 1 hour autonomous learning in language lab.

Prerequisite: ARBC 1101 (or equivalent). **Prohibition:** ARBC 1311,

ARBC 1312. **Assessment:** One 2.5-hour examination plus regular assignments and class assessment.

This unit of study aims to strengthen the 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 2103.

Textbooks

Nijmeh Hajjar, Living Arabic in Context: Arabic for Beginners, Stage 2, Canberra, 2003

Recorded Audio material is available (consult Department)

ARBC 1311 **Advanced Arabic Language & Literature A1**

6 credit points. Professor Ebied, Associate Professor Shboul. **Session:** 1. **Classes:** 4 hrs per week. **Prerequisite:** HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners subject to placement test. **Prohibition:** ARBC 1101, ARBC 1102. **Assessment:** Class work, assignments, tests, examination.

This unit of study is designed for students who have completed at least 2 unit (continuers) HSC Arabic (or an equivalent recognized qualification). Students with 2 unit General (Beginners) HSC Arabic can only be accepted subject to a proper placement test.

This unit of study consists of two interrelated parts:

1. Practical language: 2 hours per week (Professor Ebied)

This segment seeks to develop practical language skills, strengthening of knowledge and understanding of the grammar and structure of Modern Standard Arabic. One hour per week is devoted to language skills, and one hour will be devoted to developing translation skills (Arabic-English and English-Arabic). Students' participation is an essential aspect of all classes.

2. Readings in Modern Arabic Literature (A/Professor Shboul) Texts and Society: Identity and Modernity: 2 hours per week

This segment seeks to develop the student's analytical and critical skills in reading Arabic literature through the close study of a variety of Arabic texts. Students will study works by representative writers from different Arab countries, focusing on the interrelated themes of modernity and identity. One hour per week will be devoted to the study of modern Arabic essays on political, social and cultural issues; and one hour will be devoted to the study of a selection of contemporary Arabic poems with attention to the poet's concerns in society.

Students' participation is an essential aspect of all classes.

Assessment for this segment consists of 2 essays of 1500 words each, class presentation and final examination.

On completion of this unit, students will progress to ARBC 1312, in semester 2

Textbooks

A dossier of texts will be provided.

ARBC 1312 **Advanced Arabic Language & Literature A2**

6 credit points. Professor Ebied, Associate Professor Shboul. **Session:** 2. **Classes:** 4 hrs per week. **Prerequisite:** ARBC 1311. **Prohibition:** ARBC 1101, ARBC 1102. **Assessment:** Class work, assignments, tests, examination.

This unit of study consists of two interrelated parts:

1. Practical language: (Professor Ebied). 2 hours per week

This part of the unit of study focuses on advanced practical language skills, building on the approach followed in semester 1, with emphasis on translation skills (Arabic-English and English-Arabic). Student participation is essential.

2. Readings in Classical & Modern Arabic: (A/Professor Shboul)

Texts and Society: Continuity and Change. 2 hours per week.

This segment continues the approach of developing analytical and critical skills through the close study of selections of both classical and modern Arabic literary texts. One hour per week will be devoted to the study of Arabic travel literature, including selections from Sindbad Voyages, Ibn Battuta and modern Arabic travel writers. One hour per week will be devoted to the study of selections of classical and modern Arabic poetry. Student participation is essential. Assessment for this segment includes 2 essays of 1500 words each, class presentation and final examination.

On completion of this unit, students will progress to ARBC 2303, then ARBC 2304.

Textbooks

A dossier of texts will be provided.

ARBC 2103 Arabic Language and Literature B3

8 credit points. A/Professor Shboul. **Session:** 1. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisite:** ARBC 1102 (or equivalent). **Assessment:** One 2000 words essay plus regular assignments and one 2.5-hour examination.

This unit of study aims to extend the 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 2104.

Textbooks

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

ARBC 2104 Arabic Language and Literature B4

8 credit points. A/Professor Shboul. **Session:** 2. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisite:** ARBC 2103 (or equivalent). **Assessment:** One 2000 words essay, plus regular assignments, one 2.5-hour examination.

This unit of study aims at further strengthening the 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 2105.

Textbooks

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

ARBC 2105 Arabic Language and Literature B5

8 credit points. A/Professor Shboul. **Session:** 1. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisite:** ARBC 2104 (or equivalent). **Assessment:** One 2000 words essay plus regular assignments and one 2.5-hour examination.

This unit of study aims to consolidate the students' communicative skills, using realistic dialogues in modern standard and educated every-day Arabic, and samplings of the Arabic press and electronic media. It equally aims to extend the 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 2106 in semester 2.

Textbooks

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

ARBC 2106 Arabic Language and Literature B6

8 credit points. A/Professor Shboul. **Session:** 2. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisite:** ARBC 2105 (or equivalent). **Assessment:** one 2000 words essay, plus regular assignments and one 2.5-hour examination.

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 2313 Arabic/English Translation

8 credit points. Professor Ebied. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** ARBC 1312. **Prohibition:** ARBC 2103 & ARBC 2104. **Assessment:** One 2-hour exam; weekly assignments; continuous assessment.

This unit of study aims to develop written fluency in English and Arabic. Students gain familiarity with translation methodology and skills. The course is designed to further develop students' command of Arabic grammar (morphological and syntactic structures) and vocabulary. Practical tasks will involve translation into and out of English and Arabic of a wide range of texts, including business correspondence and basic technical and literary documents.

Textbooks

Basic Text:

Baker, M., In Other Words: a coursebook on translation (London, 1992)

References

Wehr, H., A Dictionary of Modern Writing Arabic, ed. J. Milton Cowan (Wiesbaden, latest edition)

Elias, E., Elias' Modern Dictionary, English-Arabic (Cairo, latest edition)

Ebied, R. Y., 'The Role of Translation: Three Decades of Translation into Arabic' in Revue des Lettres et de Traduction, vol. 2 (1996), pp. 55-70

Nahmad, H.M., From the Arabic Press: A Language Reader in Economic and Social Affairs (London, 1970)

ARBC 2314 Arabic/English Translation 2

8 credit points. Professor Ebied. **Session:** 2. **Classes:** 3 hours per week. **Prerequisite:** ARBC 2313. **Prohibition:** ARBC 2103 & ARBC 2104. **Assessment:** One 2-hour exam; weekly assignments; continuous assessment.

This unit of study aims to further develop translation skills as well as students' command of Arabic grammar (morphological and syntactic structures) and vocabulary. Practical tasks will involve translation into and out of English and Arabic in a wide range of texts, including short stories, biographies and print media items.

Textbooks

Basic Text: Baker, M., In Other Words: a coursebook on translation (London, 1992)

References

Wehr H., A Dictionary of Modern Writing Arabic, ed. J. Milton Cowan (Wiesbaden, latest edition). Elias, E., Elias' Modern Dictionary, English-Arabic (Cairo, latest edition). Ebied, R. Y., 'The Role of Translation: Three Decades of Translation into Arabic' in Revue des Lettres et de Traduction, vol. 2 (1996), pp.55-70. Ebied, R. Y. and Young, M.J.L., Arab stories, East and West (Leeds, 1977). Hafez, S. and Cobham, C., A Reader of Modern Arabic Short Stories (London, 1988)

ARBC 2315 Advanced Arabic/English Translation

8 credit points. Professor Ebied. **Session:** 1. **Classes:** 2 hrs/wk lectures, 1 hr/wk tutorial. **Prerequisite:** ARBC 3101. **Prohibition:** ARBC 2105 & ARBC 2106. **Assessment:** One 2 hour examination; weekly assignments; continuous assessment.

This unit of study is intended to develop skills in translation, with a focus on further developing students' command of Arabic grammar and vocabulary. Practical tasks will involve advanced translation into and out of English and Arabic in a wide range of texts and fields, including short stories, literary, economic, legal, medical and scientific items as well as print media items.

Textbooks

Wehr, H., A Dictionary of Modern Writing Arabic, ed. J. Milton Cowan (Wiesbaden, latest edition)

Elias, E., Elias' Modern Dictionary, English-Arabic (Cairo, latest edition)

Doniach, N.S., The Oxford English-Arabic Dictionary of Current Usage (Oxford, 1972)

Ebied, R. Y. and Young, M.J.L., Arab Stories, East and West (Leeds, 1977)

Hafez, S. and Cobham, C., A Reader of Modern Arabic Short Stories (London, 1988)

Enani, M., Fann al-Tarjamah [The Art of Translation] (Cairo, 1997)

Khorshid, I. Z., At-Tarjamah wa-Mushkilatuha [Problems of Translation] (Cairo, 1985)

ARBC 2316 Advanced Arabic/English Translation 2

8 credit points. Professor Ebied. **Session:** 2. **Classes:** 3 hours per week. **Prerequisite:** ARBC 2315. **Prohibition:** ARBC 2105 & ARBC 2106. **Assessment:** One 2 hour exam; weekly assignments; continuous assessment.

This unit of study is intended to develop students' competence in translating from and into English and Arabic, with a focus on further developing their command of Arabic grammar and

vocabulary. Students are expected to be able to deal with a variety of advanced literary, economic, legal, medical and scientific texts.

Textbooks

- Wehr, H. A Dictionary of Modern Writing Arabic, ed. J Mln Cowan (Wiesbaden, latest edition)
 Elias, E. Elias' Modern Dictionary, English-Arabic (Cairo, latest edition)
 Doniach, N. S. The Oxford English-Arabic Dictionary of Current Usage (Oxford, 1972)
 Khorshid, I. Z. Al-Tarjamah wa-Mushkilatuha – Problems of Translation (Cairo, 1985)

ARBC 4011 Arabic Honours A

12 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARBC 4012 Arabic Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ARBC 4011.

ARBC 4013 Arabic Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ARBC 4012.

ARBC 4014 Arabic Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ARBC 4013.

■ Arab World, Islam and the Middle East

ARIS 1001 Arab World, Islam and the Middle East 1

6 credit points. A/Professor Shboul. **Session:** 1. **Classes:** 3 hours per week. **Assessment:** One 2000 word essay, class presentation and a 2-hour final examination.

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 1002 in semester 2.

Textbooks

Course readings and bibliography will be available.

ARIS 1002 Arab World, Islam and the Middle East 2

6 credit points. A/Professor Shboul. **Session:** 2. **Classes:** 3 hours per week. **Prerequisite:** ARIS 1001. **Assessment:** One 2000 word essay, class presentation and a 2-hour final examination.

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 2005 & ARIS 2006 in the year 2004; and to ARIS 2003 and ARIS 2004 in the year 2005.

Textbooks

Course material and bibliography will be available.

ARIS 2005 Modern Middle East Politics and Society

8 credit points. A/Professor Shboul. **Session:** 1. **Classes:** 2 lectures, 1 tutorial per week. **Prerequisite:** ARIS 1002. **Assessment:** Two 2500 word essays (or one essay and one examination), plus tutorial presentation and participation.

This unit of study deals with society and politics in the modern Middle East, with emphasis on the Arab countries. Themes include: Unity and diversity in the modern Arab world; Ottoman legacy in the Middle East; political and cultural impact of the Western colonial encounter on the Arab world; state and society in the Arab countries in the post-colonial era: patterns of unity and diversity – the Arabian Peninsula: Saudi Arabia, Gulf states and Yemen; Fertile Crescent: Iraq, Jordan, Lebanon, Syria, Palestine and the Palestinians; Egypt, Sudan; Maghrib states: Libya, Tunisia, Algeria, Morocco, Mauritania; the Arab League and the Gulf Cooperation Council as regional systems; Lebanon

and the Lebanese in perspective; the Palestine question and the Arab-Israeli conflict: impact on Arab societies and politics; war and peace 'processes' in the Middle East; Arab refugees, exiles and migrants; minorities in the Middle East; water resources; impact of oil on Arab societies and politics; the Arab world, Iran, Turkey and the new world order; impact of 'globalisation' on the Middle East. On completion of this unit, students proceed to ARIS 2006 in semester 2.

Textbooks

Course readings, bibliography and brief notes will be available.

ARIS 2006 Contemporary Arab Thought and Culture

8 credit points. A/Professor Shboul. **Session:** 2. **Classes:** 2 lectures, 1 tutorial per week. **Prerequisite:** ARIS 1002. **Assessment:** Two 2500 word essays (or one essay and examination), plus tutorial presentation and participation.

This unit of study deals with contemporary Arab political-social thought and culture. Themes include: the question of 'renaissance' in modern Arab culture and thought; Egyptian, Lebanese and north African Arabic pioneer thinkers; traditionalism and modernism in Arab culture and thought; pan-Arabism and nationalism; the nation-state and issues of traditional loyalties: clan, place and sect; insights into the diversity of contemporary Arab discourse and intellectual debates: issues of cultural identity and attitudes to the past, attitudes to the West and the rest of the World; debates on secularism, religious fundamentalism, peace, modernity, development, progress, position of women; democracy and human rights in the Arab world. Students who have not completed ARIS 2003 and ARIS 2004 may do so in the year 2005.

Textbooks

Course readings, bibliography and brief notes will be available.

ARIS 4011 Arabic and Islamic Studies Honours A

12 credit points. **Session:** 1, 2. **Classes:** 2 hour seminar per week. **Prerequisite:** Average credit or above in 48 credit points of ARIS or ARBC units. It is desirable for students to have also completed at least 28 credit points in the other stream. However, under no circumstances can a student attempt to do more than one Honours program in the area of Arabic and Islamic Studies. **Assessment:** Essays, tutorial presentations and bibliographical assignments.

Department permission required for enrolment.

ARIS 4012 Arabic and Islamic Studies Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ARIS 4011.

Refer to ARIS 4011.

ARIS 4013 Arabic and Islamic Studies Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ARIS 4012.

Refer to ARIS 4011.

ARIS 4014 Arabic and Islamic Studies Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ARIS 4013.

Refer to ARIS 4011.

■ Archaeology (Classical)

ARCL 1001 Art & Archaeology of the Classical World

6 credit points. Dr E Robinson. **Session:** 1. **Classes:** 2 x Lectures, 1 x Tut/wk. **Assessment:** One 2hr exam (40%), two visual tests (30%), one 1500w 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 Nuraghic 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. **Session:** 1, 2.

Department permission required for enrolment.

ARCL 2001 The World of Classical Athens

8 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 Junior credit points of Archaeology or Classical Civilization or Ancient History. **Assessment:** One 2 hr exam (35%), one visual test (20%), one 2500w essay (35%), tutorial participation (10%).

The sixth and fifth centuries in Athens marked a major turning point in the evolution of western culture. It is marked in the material remains just as much as in such inventions as history, theatre or scientific thought. This unit of study examines some of the major developments in architecture, pottery, sculpture and painting, and compares them with changes in religious practice, society, technology and living conditions.

ARCL 2801 Archaeology (Classical) Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARCL 2802 Archaeology (Classical) Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARCL 2803 Archaeology (Classical) Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARCL 2807 Archaeology (Classical) Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARCL 2808 Archaeology (Classical) Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARCL 2900 Special Topics on Classical Athens

8 credit points. **Session:** 2. **Classes:** One 2hr seminar/wk. **Prerequisite:** Credit result in ARCL 1001. **Corequisite:** ARCL 2001. **Assessment:** One 2 hr exam (40%), one 3000w essay (40%), seminar presentation and participation (20%).

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

This unit of study is related to ARCL 2001 in content, but casts a more critical eye on the nature of the evidence, and on current debates in its interpretation; it also examines what we can learn of social attitudes from sources other than the literature which so often has an elitist bias.

ARCL 3001 Archaeology of Pre-Roman Italy

8 credit points. Dr E Robinson. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 Senior credit points of Archaeology (Classical). **Assessment:** One 3000w essay (35%), classwork in tutorials (25%), one 2 hr exam (40%).

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 3901 Research Issues in Classical Archaeology

8 credit points. Dr E Robinson. **Session:** 2. **Classes:** One 2hr seminar/wk. **Prerequisite:** Credit result in ARCL 2900. **Assessment:** One 3000w essay (45%), one 2 hr exam (40%), two seminar presentations (15%).

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. All members of staff. **Session:** 1, 2. **Classes:** One 2hr seminar/wk. **Prerequisite:** (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:** Semester 1: One 7000w essay (20%), 2 seminar presentations (5%), contribution to discussion (5%), one 2 hr exam (15%). Semester 2: One 12,000w essay (40%), 2 seminar presentations (5%), one viva voce examination (10%).

Department permission required for enrolment.

Full year course.

Semester 1: Colonisation: This unit of study focusses on Geometric Greece and the phenomenon of Greek colonisation throughout the Mediterranean. Particular emphasis will be placed on the background to colonisation in Greece itself, the form and process of colonisation and its short-term outcomes. The unit of study will cover the early Greek contacts with the Western and Eastern Mediterranean and look at the role of the Phoenicians. Throughout, the unit of study will focus on the interaction between the Greek colonists and the indigenous inhabitants of the regions that were colonised.

Students will present two seminars, one on a topic to be agreed and the other on the subject of their 7000 word essay.

Semester 2: Special Topics in Classical Archaeology

In this semester students write a long essay, which should not exceed 12,000 words, on a topic which they have devised in consultation with members of staff. This unit of study will include seminars on the subject matter and methodology of the topics. The viva voce examination will be on all four years of Classical Archaeology.

ARCL 4012 Archaeology (Classical) Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ARCL 4011. **Assessment:** As ARCL 4011.

ARCL 4013 Archaeology (Classical) Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ARCL 4012. **Assessment:** As ARCL 4011.

ARCL 4014 Archaeology (Classical) Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ARCL 4013. **Assessment:** As ARCL 4011.

■ Archaeology (Near Eastern)

ARNE 1001 Archaeology of the Near East

6 credit points. Prof D Potts. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **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 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. **Session:** 1, 2.

Department permission required for enrolment.

ARNE 2005 Archaeology of the Levant 1500–900 BC

8 credit points. Dr J Lovell. **Session:** 2. **Classes:** 3 one hour lectures per week. **Prerequisite:** ARNE 1001 and six Junior credit points from ARCL, ARPH, Classical Civilisation or Ancient History. **Assessment:** one 3,000w essay, one 1,000w assignment and one 2 hr exam.

The Levant during the period of the Middle Bronze Age (1750–1550BCE) underwent significant changes in its political and economic outlook. This period has been called the 'Dawn of Internationalism' which is followed by the Late Bronze Age (1550–1200BCE) when some of the largest empires in the ancient world clashed over resources and trade routes. During this period written sources often seem to dominate the interpretations of socio-economic change and we will examine the interaction between textual data and archaeological sources in relation to this period. We will then examine 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 for many years.

Textbooks

TBA

ARNE 2010 Egyptian Archaeology 1

8 credit points. Dr Thomas Hikade. **Session:** 2. **Classes:** one one-hour lecture, one two-hour lecture and one one-hour tutorial per week. **Prerequisite:** ARNE 1001 and six Junior credit points from ARCL, ARPH, Classical Civilisation or Ancient History. **Assessment:** One 4,000 word essay and one 2 hour exam.

The appearance of the Egyptian state in ca. 3000 BC represented the culmination of a long, slow process of human development in the Nile Valley. This course traces the rise of complex society in Egypt, from prehistoric times to the end of the Old Kingdom. Using archaeological evidence, it will examine early hunter-gatherer groups, the emergence of early food-producing communities, the rise of elites and the development of writing and trading systems. The appearance and regional impact of the Egyptian state in ca. 3000 BC will be assessed in the light of current theories about early state formation and consolidation.

ARNE 2012 Egyptian Archaeology 3

8 credit points. Dr T Hikade. **Session:** 1. **Classes:** one one-hour lecture, one two-hour lecture and one one-hour tutorial per week. **Prerequisite:** ARNE 1001 and six Junior credit points from ARCL, ARPH, Classical Civilisation or Ancient History. **Assessment:** One 4,000w essay and one 2 hr exam.

During the New Kingdom (1550–1070 BC), Egypt reached the height of its power and influence in the Near East. Using archaeological and textual sources, this unit examines the military campaigns of the Egyptian kings, trade and diplomatic relations, and the establishment of the Egyptian empire in the region. Egypt's impact on regional, social and political structures in the Near East as well as in Nubia will be examined to grasp the extent of Egyptian influence on her neighbours. The unit will also provide a thorough introduction to the material culture of the period from the 17th to the 20th Dynasty.

ARNE 2801 Archaeology (Near Eastern) Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARNE 2802 Archaeology (Near Eastern) Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARNE 2803 Archaeology (Near Eastern) Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARNE 2807 Archaeology (Near Eastern) Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARNE 2808 Archaeology (Near Eastern) Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARNE 2901 Material Culture

8 credit points. Prof Dan Potts. **Session:** 1. **Classes:** One 2 hr seminar/wk. **Prerequisite:** Credit result in ARNE 1001. **Assessment:** One take home test, one 3000w essay, 1 tut paper.

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

This is a seminar concentrating on a particular category or field of material culture in Western Asia and its archaeological interpretation. The course is designed to train students in the rigorous collection and presentation of data and to give students a basic introduction to research formulation, writing and delivery.

ARNE 3901 Special Topics in West Asian Archaeology

8 credit points. Dr Alison Betts. **Session:** 1. **Classes:** One 2hr seminar/wk. **Prerequisite:** Credit result in ARNE 2901 and Pass result in 8 further Senior credit points from ARNE or ARCL. **Assessment:** two 3,000w essays, short seminar presentations.

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

In this unit of study students are asked to research a topic on a theme relating to current problems and debate in the archaeology of Western Asia.

ARNE 4011 Archaeology (Near Eastern) Honours A

12 credit points. Professor Dan Potts and Dr Alison Betts. **Session:** 1, 2. **Classes:** One 2 hr sem/wk. **Prerequisite:** (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:** Semester 1: Seminar presentations, one 5000w essay, one take-home exam.

Semester 2: One 12,000–25,000 wd thesis and one oral examination on the thesis.

Department permission required for enrolment.
Full year course.

Studies on Special Topics: Students are required to prepare a series of seminar presentations on topics relating to their chosen area of research.

Honours Thesis: A supervised piece of research on an approved topic relating to the study areas covered by Archaeology (NE).

ARNE 4012 Archaeology (Near Eastern) Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ARNE 4011. **Assessment:** As ARNE 4011.

ARNE 4013 Archaeology (Near Eastern) Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ARNE 4012. **Assessment:** As ARNE 4011.

ARNE 4014 Archaeology (Near Eastern) Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ARNE 4013. **Assessment:** As ARNE 4011.

■ Archaeology (Prehistoric and Historical)**ARPH 1002 Introduction to Australian Archaeology**

6 credit points. subject to staff availability. **Session:** N/A in 2004. **Classes:** 3 classes/wk. **Assessment:** one 1,500w essay, two exercises of 500w each, and two 1 hr in-class tests (each equivalent to 1,000w).

An overview of Australian archaeology from first settlement to the recent colonial past: major concepts and problems, regional case studies, and an introduction to archaeological methods. This unit will also look at how Australian archaeology is organised and practised today.

Textbooks

Either J. Mulvaney and J. Kamminga: Prehistory of Australia (1999) or J. Flood: Archaeology of the Dreamtime (2000)

ARPH 1801 Archaeology (Prehistoric & Historic) Exchange

6 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARPH 2001 Pre and Post Contact Aust Archaeology

8 credit points. Dr Colley. **Session:** 1. **Classes:** 3 hr/wk. **Prerequisite:** 12 Junior credit points of Archaeology. **Assessment:** one 3,000w essay, seminar presentation write-up (1,500w), and one take-home exam (equivalent to 1,500w).

This unit of study explores current and topical research questions (theories, data, techniques) in Australian Aboriginal and historical archaeology. Australian case studies will be placed in world-wide perspective. Some of the content may reflect the particular interests of students taking the course.

ARPH 2003 The Archaeology of Society

8 credit points. Assoc Prof Fletcher. **Session:** 2. **Classes:** 3hr/wk. **Prerequisite:** 12 Junior credit points of Archaeology. **Assessment:** two 2000w essays, two projects (each 1,000w).

A global introduction to the processes and issues involved in the major transformation of human settlement behaviour since the end of the last glacial phase. Essay and project topics are arranged on an individual basis in consultation with the coordinator to suit the interests of students. Topics may be chosen on a worldwide basis. This unit of study can be used to conduct a detailed study of one region or to gain experience of a diversity of regions and topics.

ARPH 2005 Archaeology of Modern Times

8 credit points. Mr Wayne Johnson. **Session:** 1. **Classes:** 3hr/wk. **Prerequisite:** 12 Junior credit points of Archaeology. **Assessment:** One 3000w essay, one presentation of short essay (1500w), one in-class test.

This unit investigates the material culture of European colonialism and expansion after AD1500, examining Southeast Asia, the Americas and South Africa, with an emphasis on Australia from AD1788 to the present day. The course will include a hands-on workshop examining artefacts from post-AD1788 Australian sites.

ARPH 2006 Australasian Archaeology

8 credit points. Subject to staff availability. **Session:** 2. **Classes:** 3 hr/wk. **Prerequisite:** 12 Junior credit points of Archaeology. **Assessment:** one 3,000w essay, one seminar write-up (1,500w), and one take-home exam (equivalent of 1,500w).

An examination of major areas, theories and problems current in Australian and Pacific archaeology.

ARPH 2621 Scientific Analysis of Materials

8 credit points. Associate Professor Barbetti. **Session:** 2. **Classes:** Lecture/seminar 3 hrs/wk. **Prerequisite:** 12 Junior credit points in archaeology. **Prohibition:** ARPH 2601. **Assessment:** Four 1,500w assignments.

This unit begins with an introduction to the theory, practice and pitfalls of radiocarbon, luminescence and other dating methods. In the second half of the unit, techniques of materials analysis, including X-ray and electron microscopy methods, are introduced. The emphasis is on archaeological applications, and assessment is by assignment and practical sessions.

ARPH 2801 Archaeology (Prehistoric & Historic) Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARPH 2802 Archaeology (Prehistoric & Historic) Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARPH 2803 Archaeology (Prehistoric & Historic) Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARPH 2807 Archaeology (Prehistoric & Historic) Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARPH 2808 Archaeology (Prehistoric & Historic) Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ARPH 3902 Archaeological Research Principles II

8 credit points. Dr Colley. **Session:** 2. **Classes:** 2hr/wk. **Prerequisite:** 12 senior credit points of Archaeology at Credit level, including at least 8 Senior credit points of Prehistoric & Historical Archaeology. **Corequisite:** ARPH 3911. **Assessment:** one research design (1,000w), one 7,000w essay.

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 reading and writing literature reviews. 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 3911 Archaeological Research Principles 1

8 credit points. A/Professor Fletcher. **Session:** 1. **Classes:** 2 hr lecture and 1 hr tutorial/wk. **Prerequisite:** 12 Senior credit points in Archaeology at credit level. **Assessment:** two 2,000w essays and 2 seminar presentations (each equivalent to 1,000w).

An introduction to the philosophy and worldwide history of archaeology. Topics are to be chosen in consultation with the coordinator and to serve as a preparation for the 8000 word essay in ARPH 3902.

ARPH 3920 Archaeological Applications of Computing

8 credit points. Dr Johnson. **Session:** 2. **Classes:** 4hr lab/wk, classwork. **Prerequisite:** Credit results in 12 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).

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 3921 Archaeological Practice

8 credit points. Dr Colley. **Session:** 2. **Classes:** 156 hrs supervised 'on the job' workplace sessions, associated meetings and formal class sessions. **Prerequisite:** Credit+ results in 16 senior credit points of ARPH. Department permission required for enrolment in Semester 1. **Assessment:** 4,000w notebook and portfolio, attendance, in-class and on-line presentation of work progress reports equivalent to 2,000w. Introduction to archaeology practical work and professional practice through a structured program of supervised and assessed hands-on practical work projects. The department will place students in approved work placements with Sydney-based heritage agencies, consultancy companies or archaeological research projects. Students are normally expected to complete four weeks of hands-on placement, involving at least three different kinds of archaeological practice, in Semester 2. Some formal on-campus classes in archaeological method are included. In some circumstances project work may be undertaken at other times subject to prior written approval from Dr Colley. Project placements are limited and preference may be given to students who have already gained some preliminary fieldwork or practical work experience. Further information will be made available via the Archaeology Department Web site in Semester 1.

ARPH 4011 Archaeology (Prehist/Historical) Hons A

12 credit points. Dr Colley. **Session:** 1, 2. **Classes:** Sem 1: One 2hr class/wk, one 2hr weekly seminar; Sem 2: One 2hr weekly seminar. **Prerequisite:** a) Credit results in 24 Senior credit points of Archaeology including ARPH 3902 and at least 4 but not more than 8 credit points from ARPH 2501–2699; b) Credit results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies, Heritage Studies, and/or STAT 1021, STAT 1022, BIOL 1500. **Assessment:** Semester 1: One 3000wd essay and one 5000wd essay; Semester 2: 20,000wd (max) thesis. Permission required for enrolment.

Department permission required for enrolment.

Full year course.

In-depth study of archaeological theory and practice, with particular focus on the relationship between aims, methods and results. This unit includes preparatory work for a 20,000 word thesis on a topic which the department agrees to supervise.

ARPH 4012 Archaeology (Prehist/Historical) Hons B

12 credit points. **Session:** 1, 2. **Corequisite:** ARPH 4011. **Assessment:** See ARPH 4011.

ARPH 4013 Archaeology (Prehist/Historical) Hons C

12 credit points. **Session:** 1, 2. **Corequisite:** ARPH 4012. **Assessment:** See ARPH 4011.

ARPH 4014 Archaeology (Prehist/Historical) Hons D

12 credit points. **Session:** 1, 2. **Corequisite:** ARPH 4013. **Assessment:** See ARPH 4011.

■ Art History and Theory

ARHT 1001 Art & Experience: The European Tradition

6 credit points. Dr Michael Hill. **Session:** 1, Summer. **Classes:** Two 1hr lectures. **Assessment:** essay, assignments and visual tests 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 in the European Tradition will focus on the history of visual representation. In doing so, it will examine how ideas about artistic production and the relation between the artist, the artwork and the spectator are culturally specific. The program will therefore emphasise the contexts and meanings that such representations may embody – and how these change across time.

The study of visual representation involves not simply questions of style, but of ways of seeing. It asks whether, how and why people may 'see' differently. It also examines how broader social relationships such as gender, race and class are visually represented. In the course of the year, students will acquire the essential skills of visual analysis and interpretation. These issues are posed across the two semesters. ARHT 1001 examines representation and visual culture in Europe and Australia from the Greeks to the late eighteenth century. ARHT 1002 extends and develops this examination across a number of

artforms and media in the nineteenth, twentieth and twenty-first centuries.

Practical: The Art Workshop. Students undertaking the Art History and Theory First Year Program are encouraged to enrol in a practical unit of study offered at the Art Workshop in the Faculty of Architecture. Only one introductory level workshop (worth 3 junior level credit points) is permitted. For more details please consult the Art Workshop on (02) 9351 3115.

ARHT 1002 Modern Times: Art, Film and Design

6 credit points. Dr Julian Pefanis. **Session:** 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.

ARHT 1801 Art History and Theory Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARHT 2011 Art and Experience in Renaissance Italy

8 credit points. Dr Louise Marshall. **Session:** 2. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** 4000 word essay, 2000 word visual test/ assignment.

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

This unit of study will explore a range of alternative approaches to Italian Renaissance art and architecture. Topics to be investigated include the concept of the Renaissance and the idea of progress; Quattrocento 'naturalism' and the function of the image; perspective as symbolic form; the Renaissance altarpiece; nudity and the body; Renaissance portraiture and issues of gender; the 'building boom' and the family palace; patronage networks, including the patronage of major Florentine families such as the Strozzi and Medici; civic ritual and public space; the mythology of Venice; art at the papal and princely courts, such as Ferrara, Rimini, Mantua and Milan.

ARHT 2012 Baroque Courts

8 credit points. Dr Jennifer Milam. **Session:** 2. **Classes:** 1 lec & 1 tut/wk. **Prerequisite:** ARHT 1002. **Assessment:** Essay, visual test, class work.

This unit of study considers the place of the artist 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 and sculpture, as well as the art of specific centres, including Prague, Rome, Paris, Madrid, London, the Hague, Potsdam and Saint Petersburg. Tutorials will involve a more careful examination of theoretical approaches to the expression of power, wealth and glory in visual form.

ARHT 2013 The Art of France 1648–1789

8 credit points. Dr Jennifer Milam. **Session:** 1. **Classes:** 2hr lecture & 1 tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** 3000 word essay, 3 hr visual test.

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 in France from the establishment of the Royal Academy of painting and Sculpture until the eve of the Revolution. Topics of lectures and tutorials include the circumstances leading to the foundation of the Academy 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 criticism; the portrayal of daily life, landscape and erotic subjects in relation to major currents of Enlightenment thought.

ARHT 2021 European Modernism

8 credit points. Dr Julian Pefanis. **Session:** 1. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** essay, paper to a total of 6000 wds.

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 origins of Modernism in the nineteenth century and its evolution in the twentieth, focusing on Modernism between the World Wars. It will consider Dada and

Surrealism's radical threat to the 'call to order' – their invocation of the absurd, of the anarchic, of irreason, madness and desire. It will also consider the relationship between the arts and contemporary philosophical and theoretical investigation and will take into account Postmodernism's disruption of the concept of Modernism. The focus of the course will be on European modernism. Australian and American modernism are examined in other advanced options.

ARHT 2023 Post-War Art in Europe and the USA

8 credit points. Dr Keith Broadfoot. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** one 3000wd essay, one 2000wd tutorial paper, one tutorial presentation.

This unit of study focuses on North American and European art and visual culture in the post WWII period. The historical study of particular art movements and artists will be combined with an examination of selected issues and themes.

ARHT 2024 Contemporary International Art

8 credit points. Dr Catriona Moore. **Session:** 2. **Classes:** One hr Lecture and one 2hr tut per week. **Prerequisite:** ARHT 1001, ARHT 1002.

Assessment: one essay or curatorial proposal and one tutorial paper to a total of 6000 words.

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.

ARHT 2032 Modern Australian Art and Cinema

8 credit points. Dr Catriona Moore. **Session:** 1. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** one essay or curatorial project, one tutorial paper.

This unit of study examines Australian art, cinema and popular visual imagery from 1880–1940. Themes to be covered include the landscape tradition and Australian national identity, urban imagery, images of war, the positioning of women, indigenous and migrant cultures, the fledgling Australian film industry and related responses to issues of modernity and modernism. Students will be encouraged to work with the University art collections.

ARHT 2033 Postwar Australian Art

8 credit points. Dr Catriona Moore. **Session:** Summer. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** ARHT 1001, ARHT 1002.

Assessment: one 3000wd essay, one 2000wd tutorial paper, one 1hr slide test.

This unit of study traces the shifting relations between modern art, modernism and postmodernism in Australia. These are examined against a field of other cultural, social and political discourses. Issues addressed include artists' responses to World War II, the Cold War and Vietnam; postwar migration; and multiculturalism; urban imagery; contemporary Koori art and Aboriginality in art by white Australians; ongoing shifts in the treatment of traditional subjects such as landscape, art and ecology; feminist, gay and lesbian cultural politics; art criticism; art and electronic technologies.

ARHT 2034 Australian Heritage and Architecture

8 credit points. Dr Mary Mackay. **Session:** 1. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002. **Prohibition:** HRTG 2001. **Assessment:** essay, project to a total of 6,000 wrds.

Students are introduced to methods of interpreting cultural significance and heritage values in Australian nineteenth-century buildings, environments and material culture. The unit of study offers knowledges and skills that will assist in gaining work in related areas. Theories of everyday life, the modern past, local and marginal cultures are studied as well as approaches to conservation, preservation, the collection of objects and artefacts and their presentation to the public. Students undertake visits to local sites in class hours.

ARHT 2036 Contemporary Indigenous Australian Art

8 credit points. Prof. Roger Benjamin. **Session:** 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** ARHT 1001, ARHT 1002.

Assessment: one 3000 word essay, one visual test.

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

This course studies the efflorescence of contemporary Aboriginal and Torres Strait Islander art, which makes up over half of today's Australian art market. While providing a grounding in major movements like Papunya Tula (from 1971) and bark painting in Arnhem Land, the focus will be on critical and

theoretical issues affecting art practice today: questions of appropriation and copyright, the relationship of art to native title and reconciliation, the market for Indigenous art (from prestigious auctions to tourist shops), the politics of curatorial practice, the changing status of women artists, the Indigenous use and re-use of photography, and the relevance of postmodern and postcolonial theories in reading urban art. Key figures treated will include Tracy Moffatt, Gordon Bennett, Rover Thomas and Emily Kngwarreye. Certain classes will be conducted at the Art Gallery of New South Wales or the Museum of Contemporary Art. Lecturers will include prominent Indigenous curators and artists.

ARHT 2041 Art and Archaeology of South East Asia

8 credit points. Part I, Associate Professor Roland Fletcher [Cambodia, archaeology]; Part II, Professor John Clark [Thailand, art history].

Session: 1. **Classes:** In-Country unit of study, January 2004.

Prerequisite: The prerequisites are any of ARHT 1001 & 1002, ASNS 1001 & 1002, ARPH 1001 & 1003 or ARPH 1001+ 1002. **Assessment:** a. ONE field or object description delivered verbally 10% b. ONE site, building, or art work report of about 1000 words 40%. Deadline for a and b: Friday 26th March 2004 c. ONE Module essay of about 3500 words 50% Deadline for c: Monday 19th April 2004.

Those students who are unable to take the course because of time or financial restrictions should note that on equity grounds a new Asian Archaeology senior unit of study will be offered at Sydney in 2005. This course will be taught wholly in Cambodia and Thailand from 4th January to 22nd January 2004. Students will be required to meet their own travel and housing costs which should be around A\$3500.

This course introduces major aspects of the art history and archaeology of the region by examining the art and monuments of the Khmer Kingdoms [800s-1250s] in Cambodia, and in Thailand those of the Siamese Kingdoms during late Ayutthaya [1600s-1760s], early Rattanakosin [1780s-1910s], and late Rattankosin [1920s-present]. It will allow all students to visit the region, understand parts of its archaeological heritage, as well as see the contexts from which it's modern art has arisen.

ARHT 2042 Art in the Age of the Samurai

8 credit points. Professor John Clark. **Session:** 1. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002 or ASNS 1001, ASNS 1002. **Assessment:** essay, tutorial paper to a total of 6000 wrds. 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.

ARHT 2043 Art and Architecture of Modern Japan

8 credit points. Professor John Clark. **Session:** 2. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** 4000 word essay, 2000 word tut paper. 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.

ARHT 2052 From Silent to Sound Cinema

8 credit points. Dr Laleen Jayamanne. **Session:** 1. **Classes:** one 1hr lecture, one 3hr film screening, one 1hr tutorial. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** one 3000wd essay, one 1000wd film analysis, one tutorial presentation.

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 – ie, 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.

ARHT 2053 Cross-Cultural Perspectives on Cinema

8 credit points. Dr Laleen Jayamanne. **Session:** 2. **Classes:** one 2hr lecture, one 2hr film screening, one 1hr tutorial. **Prerequisite:** ARHT 1001, ARHT 1002. **Assessment:** one 3000wd essay, one 1000wd film analysis, one tutorial presentation.

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 I, 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.

ARHT 2056 National and Transnational Cinemas

8 credit points. Dr Richard Smith. **Session:** 1. **Classes:** one 2hr lecture, one 1hr tutorial, 2–3 hour film screening. **Prerequisite:** ARHT 1001, ARHT 1002 (For Art History Major) ARHT 1002 or ENGL 1005 (for Film Majors). **Assessment:** Essay and film analysis (total 6,000 words).

A study of the problem of national cinemas in terms of cultural specificity, identity, and difference. A key issue will be how national cinemas redefine themselves in the era of globalised, transnational film production.

ARHT 2057 Contemporary Hollywood

8 credit points. Dr Richard Smith. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial, 2–3 hour film-screening. **Prerequisite:** ARHT 1001, ARHT 1002 (For Art History Major) ARHT 1002 or ENGL 1005 (for Film Majors). **Assessment:** Essay and film analysis (total 6,000 words).

This course will study the last two decades of Hollywood cinema, across several genres. Students will be introduced to leading paradigms of analysis; among the issues explored will be technological developments such as digitised graphics, and their impact on the human senses.

ARHT 2064 Special Studies

8 credit points. George Michell. **Session:** 1, Summer. **Classes:** 8 lectures followed by questions & answer sessions will be followed by 4 long seminars to be held from March to April 2004. These will be followed by tutorials to be taken by Haema Sivanesan of the Art Gallery of New South Wales and other colleagues. **Prerequisite:** Credit and above in 12 Junior Credit points from any two ARHT units OR consent of Chair of Department. **Assessment:** Tutorial or gallery visit participation [10%], one tutorial essay/presentation 2500wds [30%], one long essay 3500wds [60%].

Note: Only one Special Studies course may be taken at senior level. This unit focuses EITHER on the visiting specialist field of a visiting lecturer from overseas OR on the problematic of a special exhibition. If a lecturer is present for only a short period the unit will run for 19 hours over about four weeks, or over the period of an exhibition. Depending on timing in any given year, it will be preceded and may also be also followed by a series of research seminars on the lecturer's writings or those designated by the lecturer, or those relevant to a particular exhibition.

In 2004 the Title will be: Art and Architecture in 16th century India.

This is a Special Studies course to be given once only by George Michell, the distinguished Australian scholar of Indian Art and Architecture, who is resident in London. It is being presented with the support of private patrons, VisAsia at the AGNSW, and the Power Institute.

The course will consider topics of 16th century Indian art and architecture including the Sultanates of Northern India, Rise of

the Mughals, The Rajput Kingdoms, South India Under Vijayanagara, Gujarat, Bengal Sultanates of the Deccan, Arrival of the Portuguese. Seminars will cover problems in the study of 16th century India: methods, previous work, bibliography; Defining 'Islamic' and 'Hindu' traditions; Patronage: imperial and provincial; court and shrine/temple; and Stylistic processes: continuation, innovation, revival, intrusion.

ARHT 2071 **Orientalism and Visual Culture**

8 credit points. Prof. Roger Benjamin. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** ARHT 1001, ARHT 1002.

Assessment: one 3000wd essay, one visual test.

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 (Ingres, Delacroix, Gerome, Matisse and J.F.Lewis), we will address photography, 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 North African and Ottoman artists and patrons.

ARHT 2801 **Art History and Theory Exchange**

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARHT 2802 **Art History and Theory Exchange**

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARHT 2803 **Art History and Theory Exchange**

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARHT 2807 **Art History and Theory Exchange**

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARHT 2808 **Art History and Theory Exchange**

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ARHT 2901 **Recent Approaches to Art and Film**

8 credit points. Dr Keith Broadfoot. **Session:** 1. **Classes:** 2hr lecture & 1hr tut/wk. **Prerequisite:** 16 Senior credit points in Art History and Theory with a Credit average. **Assessment:** 3000 word essay, 2000 word tute paper, tute presentation.

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

Through a number of case-studies from different historical periods, this unit will explore and test some of the recent approaches – the methodologies – to the study of art and film. Approaches considered will include issues arising from feminism, postcolonialism, debates on the relation between aesthetics and society, the impact of the museum, and new thinking on the relation between time and the image.

ARHT 4011 **Art History and Theory Honours A**

12 credit points. **Session:** 1, 2. **Prerequisite:** Students wishing to do Honours in 2005 should have results of credit or better in 48 senior ARHT credit points, including the special entry unit ARHT 2901 Recent Approaches to Art and Film. **Assessment:** Art History and Theory IV Honours has 4 components: a dissertation and 3 semester-length seminars chosen from a pool of units of study. Weighting: dissertation 50%, units of study: 3 totalling 50%. Dissertation on an approved subject: 15,000–18,000 words: this will be written under the individual supervision of a member of staff.

Department permission required for enrolment.

Seminar units:

NOTE: Not all units of study will be offered in any one year. These courses are based on weekly two-hour seminars. Students are required to submit written work totalling 5000–6000 words for each option.

(a) Modernisms/Modernity. A study of the history and vision within modernity. Perspective, Northern realism and the Baroque are said to dominate the early modern period, with modernism leading visual structuring since the early nineteenth century. The unit will explore the various Isopic regimes which seem to have been in widespread use since the late eighteenth century. In addition to the scopic regime of modernity, we will examine a series of others such as the picturesque, Peopling, Design, Virtualisation and contrast these with certain Aboriginal structures of seeing.

(b) Issues in Film Theory. This unit will explore recent writings in Film Theory.

(c) Issues of Spectatorship. This unit of study examines recent writings in film theory and art theory that address the nature of the relation between spectator and image. How these writings propose that there is a particular 'way of seeing' that is structured into visual representations will be the central topic. From the consideration of this topic, ways for understanding the impact of film on modern art will also be explored. The unit will include regular film screenings.

(d) Romanticism. This course will study Romanticism in the visual arts of England, France and Germany from the late 18th century to the 1840s (with some examination of Romanticism's influence on later 19th century art). Topics to be examined will include the complex interactions between Classicism and Romanticism; Romanticism, nationalism and the revolutionary movements of the time (notably, the Industrial Revolution and The French Revolution); Romanticism and history; Romanticism and the modern; Romantic art and the natural sciences; Romanticism, Christianity and spiritualism; the artist as Romantic hero; the comic and the grotesque in Romantic art (especially contemporary caricature). Particular attention will be paid to the Romantics' sense of the human body. Students undertaking the course will be expected to do extensive reading in Romantic literature. Knowledge of French and/or German is desirable but not essential.

(e) 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.

(f) Australian Art writing/criticism: theories and methods. 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.

(g) From critical surrealism to the postmodern surreal. This reading seminar sets out from the premise that the relationship between trends in post-structuralist and postmodernist writing and art and the thought of the critical surrealists is a crucial one, but one which remains largely uncharted, and whose time has come. Critical surrealism and the postmodern surreal will require careful specification: they are tendentious, volatile and slightly impossible ideas; both involve a poetics. Students will be asked to explore the relationship between the two domains, drawing on the psychoanalytic, ethnographic and political theory central to the aesthetics of surrealism.

(h) Mystic Eroticism. The focus of this unit is upon the persistent habit of eroticised metaphor in Christian devotion and hence in visual images. Inspired by the heady language of the Song of Songs in the Old Testament, Christian textual and visual culture was profoundly informed by mystic eroticism. In exploring the visualisation of such erotic metaphors, the course will consider the concept of original sin and Christian attitudes to sexuality and the gendered body. Other themes include the imagery of the sacred or mystic marriage; male and female visionary experiences and the representation of the Virgin Mary and of Mary Magdalene; representing the body of Christ.

(i) Art Theory in China and Japan. Art theories in China and Japan will be discussed with some reference to recent critical theory. For China will be examined: shamanist belief and metaphors of state power; theories of representation; the literati empathetic expression; Marxist moralism in art. For Japan will be examined: binary constructions of cultural discourse; poetics of court romances; performer identification and performance in Noh and Tea; social aesthetics of chic and resigned acceptance; the national and the authentic; overcoming or going beyond the modern.

- (j) Western Images of the South Pacific. Visual images of the indigenous peoples of Australia and the South Pacific islands intrigued the Western world in the eighteenth and nineteenth century; early interest in prints and paintings was later replaced by fascination with photographs and postcards. The unit focuses on postcolonial issues concerned with representation of indigenous races as other. Specific areas of study include theories of the stereotype, the subaltern, hybridity and ambivalence.
- (k) Postwar Australian Art: current perspectives. This unit investigates selected themes in contemporary Australian art and art criticism. These include ideas about art objects and practices, the public sphere, cultural diversity, Aboriginal politics, art and the environment, regionalism and internationalism, new technologies, feminism and queer aesthetics. Participants will be expected to lead discussion on one of the broad seminar topics listed above. The readings specified for each week are to be read by all participants. Students will also be expected to visit exhibitions regularly and be familiar with current newspaper reviews and articles in art journals.
- (l) The Study of Works of Art as Physical Objects. The first half of this unit will concentrate primarily on the materials and techniques of art production. The second half will be concerned with issues of conservation, display and interpretation in the context of a public art gallery. The unit is primarily conceived for students who feel they might wish to pursue career possibilities in the museum/art gallery sector, but deals with issues relevant to any object-based art history.

ARHT 4012 Art History and Theory Honours B
12 credit points. **Session:** 1, 2. **Corequisite:** ARHT 4011. **Assessment:** Refer to ARHT 4011.

ARHT 4013 Art History and Theory Honours C
12 credit points. **Session:** 1, 2. **Corequisite:** ARHT 4012. **Assessment:** Refer to ARHT 4011.

ARHT 4014 Art History and Theory Honours D
12 credit points. **Session:** 1, 2. **Corequisite:** ARHT 4013. **Assessment:** Refer to ARHT 4011.

■ Arts Informatics

ARIN 1000 History and Theory of Informatics
6 credit points. Ms Cleland. **Session:** 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Corequisite:** ISYS 1003. **Assessment:** 1500wd essay, 1500wd tutorial presentation and in-class test.
Available to BA Informatics, BCST and BIT students only.
This unit will explore the emergence of computational and digital paradigms in the 17th to 19th centuries in the work of Leibniz, Babbage and others and examine how they have, in the 20th century in the work of Turing, Von Neumann, Shannon and Wiener among others, become dominant models for the organisation and dissemination of knowledge. Students will be introduced to the historical, ethical, epistemological and social/critical theory in the field of Information Systems (including the Internet).

ARIN 2000 Research Methods in IS, Humanities & Soc
8 credit points. Ms Cleland. **Session:** 2. **Classes:** one 2hr Lecture, one 1hr Tutorial. **Prerequisite:** ARIN 1000 and either ISYS 1003 or INFO 1000. **Assessment:** Research proposal 3000wds, Essay 2000wds and tutorial participation.
Available to BA Informatics students only.
This unit aims to develop systems thinking in approaching the methodologies used in the humanities and social sciences, including the collection, analysis and interpretation of data and evidence. Students will be introduced to quantitative analysis using sound statistical methods and empirically reliable qualitative methods. Approaches include participative methods, surveys, focus groups, controlled experiments and case studies.

ARIN 2100 Web Tools
8 credit points. Ms Cleland and Mr Tonkin. **Session:** 2, Summer. **Classes:** One 1 hr Lecture; one 2hr seminar and one 1hr practical. **Prerequisite:** 18 junior credit points. **Assessment:** Essay (1,000 words); tutorial paper (1,500 words); online project (equiv 2,000 words); project report (1,500 words).
Available to students enrolled in the BA Informatics and, with departmental permission, to BA students
This unit of study introduces students to the key concepts and tools of multimedia production for the World Wide Web.

Students will be introduced to contemporary research and design methodologies for content creation for the WWW and will be introduced to the basic Internet programming languages and content creation tools.

Textbooks
On-line resources will be available

ARIN 3000 Technocultures
8 credit points. Ms Cleland. **Session:** 2. **Classes:** one 2hr lecture and one 1hr tutorial. **Prerequisite:** 18 junior credit points. **Assessment:** one 1500 wd essay; one 3000 wd research project; tutorial presentation(= 1500wd).

Available to students enrolled in the BA Informatics and to BA students
Technological developments have always had a profound impact on human life and culture. In this unit of study students will gain an understanding of the way that technology shapes culture and the way that culture in turn shapes the development and use of new technologies. The unit will explore the impacts of key technologies with particular emphasis on the role of new computer-based digital communication technologies.

Textbooks
On-line resources will be available

ARIN 3500 Arts Informatics Project I
8 credit points. Ms Cleland and Dr Pefanis. **Session:** 2. **Classes:** one 2 hr seminar, one 1hr workshop. **Prerequisite:** ISYS 3113 and ARIN 2000. **Assessment:** One 2000wd essay/report, one project, one class presentation.

Available to BA Informatics students only
The project consists of students working together in a team 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, and/or, it will follow through the life-cycle of systems creation and development and delivery using the traditional tools and methods of the systems analyst. The project will focus on systems for use in the Humanities and Social Sciences. May be taken in conjunction with ARIN 3600.

ARIN 3600 Arts Informatics Project II
16 credit points. Dr Pefanis. **Session:** 1. **Classes:** one 2 hr seminar, one 1hr workshop. **Prerequisite:** ISYS 3113 and ARIN 2000. **Assessment:** One 4000wd essay/report, one project, one class presentation.

Available to BA Informatics students only
The project consists of students working together in a team 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, and/or, it will follow through the life-cycle of systems creation and development and delivery using the traditional tools and methods of the systems analyst. The project will focus on systems for use in the Humanities and Social Sciences.

■ Asian Studies

ASNS 1001 Modern Asian History and Cultures 1
6 credit points. **Session:** 1. **Classes:** 2 lectures & 1 tutorial/wk. **Assessment:** One 2hr exam or equivalent, two 1000w essays or equivalent; 60% for classwork (of which 10% is tutorial participation), 40% for exams.
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. **Session:** 2. **Classes:** 2 lectures & 1 tutorial/wk. **Assessment:** One 2hr exam or equivalent, one 2000w 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. Professor Dunstan. **Session:** 2. **Classes:** Two lectures, one tutorial/wk. **Assessment:** Classwork (20 %); informal writing assignment(s) – eg, 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 from the University Copy Centre.

Either Patricia Buckley Ebrey. *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. **Session:** 1, 2.

Department permission required for enrolment.

ASNS 2118 Remaking Chinese Society, 1949–2000

8 credit points. Prof. Dunstan. **Session:** Summer. **Classes:** Two lectures, one tutorial/wk. **Assumed knowledge:** Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (eg, *Moise, Modern China: A History*) before the start of the semester. **Prerequisite:** 12 junior credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology, or in any combination of the above.

Assessment: Classwork (20%); 3000-word essay (35%); oral presentation based on work for essay (15%); other writing assignments (eg, dossier of reflections on the assigned readings) (3,000 words in total; 30%).

After the establishment of the People's Republic of China in 1949, the institutions of Maoist socialism (including collectivised agriculture and a centrally planned economy) came to dominate most aspects of people's daily lives. However, since the late 1970s, China's post-Mao, reform-orientated leadership has dismantled most of the major building-blocks of Maoist society. Using predominantly sociological and anthropological perspectives, this unit of study examines the social and, as appropriate, economic, political and cultural results of China's socialist experiment and subsequent transition from socialism.

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 from the University Copy Centre.

ASNS 2212 Six Schools: Classical Indian Philosophy

8 credit points. Dr Peter Oldmeadow. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 Junior credit points in Asian Studies, History, Economic History, Religious Studies, Art History and Theory, Philosophy or an Asian Language. **Assessment:** Essay, tutorial paper, take home exam.

The unit begins with a brief introduction to Indian religious thought and then focuses on the six main schools of Indian philosophy which flourished between the third and twelfth century A.D. The six schools will be studied in three groups, each of which highlights particular dimensions within the history of Indian thought: the study of Sankhya and Yoga will highlight metaphysics and psychology; the study of Nyaya and Vaisesika will emphasise the developments in Indian epistemology and logic; and the study of Mimamsa and Vedanta will focus on the theory of language, views about the nature of consciousness and arguments concerning the ontological status of the physical world.

ASNS 2304 Early Modern Japanese History

8 credit points. A/Prof Elise Tipton. **Session:** 2. **Classes:** 2 lectures and 1 tutorial/wk. **Prerequisite:** 12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language. **Assessment:** Class test, class presentation, 2000 word essay, 2hr exam.

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

This unit of study will look at the social, political and cultural order under the Tokugawa shogunate from different and possibly contradictory perspectives: as a feudal order crumbling from the consequences of socio-economic changes and as a dynamic early modern society forming the prelude to modernisation.

ASNS 2306 The Enigma of Power in Japan

8 credit points. Dr Ansart. **Session:** 1. **Classes:** 3hrs/wk (2 lectures, 1 tutorial). **Prerequisite:** 12 Junior credit points In Asian Studies, History, Economic History, Government and International Relations and/or and Asian language. **Prohibition:** JPNS 2316 Power in Japanese Politics and Society. **Assessment:** Continuous assessment (tutorial writing tasks equivalent to 1500 words and participation in tutorial discussions), 2500 word essay, 2 hour semester examination.

It is alleged that, at the national level, power in Japan has been monopolized since 1945 by much the same clique, but also that it is never where it seems to be – that it is based on consensus, bottom-up decision-making, but is also deeply authoritarian. We will focus on exercise of power in contemporary politics, administration, and private enterprises. We will also explore areas such as psycho-sociology, education, political and moral thought, political institutions and economic structures.

ASNS 2313 Buddhist Philosophy

8 credit points. Dr Oldmeadow. **Session:** 1. **Classes:** 2 lectures & 1 tutorial/wk. **Prerequisite:** Prerequisites will be 18 junior made up from Table A but may include PALI 1001 or PALI 1002. **Assessment:** Essay, tutorial paper, take-home examination.

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 2401 Making and Unmaking Modern Indonesia

8 credit points. **Session:** 2. **Classes:** 3hrs/wk (2 lectures, 1 tutorial).

Prerequisite: 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language. **Prohibition:** Indonesia in the Global Age, INMS 2901. **Assessment:** 1000 word tutorial paper (20%); 3000 word essay (40%); 2 hour exam or equivalent (30%); class participation (10%).

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 world's fourth most populous country, emphasizing the interaction between three great forces: Islam, modernity and nationalism. 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. It ends by examining whether Indonesia's multi-faceted contemporary crisis signifies an unravelling of the historical processes which created the modern nation-state.

ASNS 2414 Southeast Asian Politics

8 credit points. Mr Philip King. **Session:** Summer. **Classes:** (2hr lecture & 1hr tutorial) per week. **Prerequisite:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian Language. **Assessment:** One 3000w essay, tutorial paper, 2hr exam.

This unit of study examines the contemporary nation-states of Indonesia, Thailand, Malaysia and Singapore as case studies in comparative politics. Together the four states encompass over 250 million people, more than a dozen major ethnic and racial communities, one of the most important regional economic groupings in the world (Asean), three major religious cultures (Islam, Buddhism, Christianity), and the largest Moslem nation in the world (Indonesia). In the past two decades Southeast Asia has undergone profound political and social transformation. Economic growth rates have soared and collapsed. Both wealth and poverty are growing in comparative terms. Agricultural economies are being industrialised. Authoritarian regimes are accommodating to democratising pressures. The global media is impacting upon domestic cultures. Global capital is transforming economies and political power relations. New movements of religious revival are challenging state authority. Nationalisms and cultural chauvinisms interact and frequently conflict. Globalism and 'post-coloniality' are now determining generational changes both of political leadership and in civil societies in Southeast Asia. The unit of study will concentrate on the study of the state, government and public administration, political cultures and national economies. It will seek to explain the patterns and dynamics of contemporary politics in this important and rapidly changing region and provide guidelines for evaluating future developments. Special attention will be given to the major political change now underway in Indonesia.

Textbooks
TBA

ASNS 2416 Southeast Asian Dictators & Democracies
8 credit points. Dr Aspinall. **Session:** 2. **Classes:** 3hrs/wk (2 lectures, 1 tutorial). **Prerequisite:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian Language. **Prohibition:** Southeast Asian Politics ASNS 2414. **Assessment:** 1000 word tutorial paper (20%); 3000 word essay (40%); 2 hour exam or equivalent (30%); class participation (10%).
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 2502 Modern Korea
8 credit points. Dr Pankaj Mohan. **Session:** 2, Summer. **Classes:** 3 hr/wk (2hr lec & 1hr tutorial). **Prerequisite:** 12 junior credit points in Asian Studies, History, Economic History, Government and International and/or an Asian language. **Assessment:** Seminar presentation, 3000 word essay, and final exam.

This unit of study aims at introducing students to the political, social, cultural and economic history of Korea from the late Choson dynasty to 1945. The topics include the contradictions of the late Choson dynasty society, the opening of Korea to the Western powers and Japan, the reforms and rebellions, the loss of independence and Japanese colonial rule, Korea's fight for freedom and the liberation and division of the country in 1945.

ASNS 2600 Mass Media in East Asia
8 credit points. Dr Ki-Sung Kwak. **Session:** 1. **Classes:** 3 hrs/wk (2 hr lec & 1 hr seminar). **Prerequisite:** 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. **Assessment:** One 3000 word essay, one 1500 word tutorial paper and final exam.

This subject introduces students to the media industry, processes, policies and practices in selected countries in East Asia, namely Japan, Hong Kong, South Korea and Taiwan. It examines the historical development and operational practice of mass media in the region. In addressing the topics, the main features of media in the region are discussed and compared. Comparison will be also made with countries in other parts of Asia and Western countries. The major topics include: the development of mass media; 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 society in this dynamic region. This subject does not assume prior knowledge of media studies, although it would be an advantage.

ASNS 2711 Gender in East Asian History and Culture
8 credit points. Prof. Dunstan. **Session:** 2. **Classes:** Two lectures and one tutorial/wk. **Assumed knowledge:** Students with no prior knowledge of East Asian history are encouraged to read at least one basic textbook (eg, Murphey, East Asia: A New History) before the start of the semester. **Prerequisite:** 12 junior credit points from Part A of the Table of units of study in the Faculty of Arts. **Assessment:** Classwork (20%); 3000-word essay (35%); oral presentation based on work for essay (15%); other writing assignments (eg, dossier of reflections on the assigned readings) (3,000 words in total; 30%).

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. Topics normally 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

Will include an anthology of readings available from the University Copy Centre.

ASNS 2801 Asian Studies Exchange
8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ASNS 2802 Asian Studies Exchange
8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ASNS 2803 Asian Studies Exchange
8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ASNS 2807 Asian Studies Exchange
4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ASNS 2808 Asian Studies Exchange
4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ASNS 4011 Asian Studies Honours A
12 credit points. **Session:** 1, 2.
Department permission required for enrolment.

ASNS 4012 Asian Studies Honours B
12 credit points. **Session:** 1, 2. **Corequisite:** ASNS 4011.

ASNS 4013 Asian Studies Honours C
12 credit points. **Session:** 1, 2. **Corequisite:** ASNS 4012.

ASNS 4014 Asian Studies Honours D
12 credit points. **Session:** 1, 2. **Corequisite:** ASNS 4013.

■ Australian Literature

ASLT 2001 Australian Literature 1920–1960
8 credit points. Professor Webby, Dr Rowe (Coordinator). **Session:** 1. **Classes:** Two 1 hr lectures, one 1 hr tutorial per week. **Prerequisite:** 18 Junior credit points. **Assessment:** One 1500 wd essay (mid-semester, 30%), one 4000 wd take-home exam (end-of-semester, 60%) & one tutorial presentation (10%).

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 which were central to the development of Australian literature.

Textbooks

Herbert X. Capricornia. Angus & Robertson
Hergenhan L, ed. The Australian Short Story. UQP
Johnston G. My Brother Jack. Harper Collins
Prichard K.S. Coonardoo. Angus & Robertson
Stead C. The Man Who Loved Children. Angus & Robertson
Tranter J, Mead P, eds. The Penguin Book of Modern Australian Poetry. Penguin

ASLT 2003 Introduction to Aboriginal Writing
8 credit points. Dr van Toorn. **Session:** 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisite:** 18 Junior credit points. **Assessment:** One 2000 word essay (mid-semester, 40%) & one 4000 word take-home exam (end-of-semester, 60%).

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

For Aboriginal people, the technologies of writing and print have worked both as instruments of colonial control, and as resources they have been able to utilise for their own purposes. This unit of study examines Aboriginal writing from the early colonial period to the present, focusing on works of fiction, drama, poetry, autobiography, short stories, children's literature, and transcribed oral narrative, as well as a selection of mixed and non-literary genres. The texts chosen for study exemplify the kinds of creative interactions that occur between traditional Aboriginal oral modes and Western literary forms. The lectures will also address a range of political and theoretical questions surrounding the production, interpretation and evaluation of contemporary Aboriginal writing.

Textbooks

Davis J, et al. Plays From Black Australia. Currency
Gilbert K. Inside Black Australia. Penguin
Huggins R, Huggins J. Auntie Rita. Aboriginal Studies Press
King W. Black Hours. Angus & Robertson.
Langford Ginibi R. Haunted by the Past. Allen & Unwin
McDonald M, Pryor B M. The Binna Binna Man. Allen & Unwin
Scott K. True Country. Fremantle Arts Centre Press
Wright A. Plains of Promise. UQP
Supplementary unit materials will be supplied in a Resource Book.

ASLT 2009 Australian Literature 1988 to Present
8 credit points. Dr Brooks and others. **Session:** 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisite:** 18 Junior credit points. **Assessment:** One 1500 word essay (mid-semester, 30%) & one 4000 word take home exam (end of semester, 60%) & tutorial presentation (10%).

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)
 Jolley, E. *My Father's Moon* (Penguin)
 Porter, D. *The Monkey's Mask* (Hyland House)
 Scott, J. *What I have Written* (Penguin)
 Scott, K. *Benang* (Freemantle Arts Centre Press)
 Winton, T. *Cloudstreet* (Penguin)

Other texts, especially those by contemporary poets, such as Ken Bolton, Peter Boyle, Lionel Fogarty, John Forbes, JS Harry, John Kinsella, Jennifer Maiden and Gig Ryan, 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. Some selected critical and other essays will also be included in the Resources book.

ASLT 2010 Patrick White and the Australian Baroque

8 credit points. Dr Indyk. **Session:** 2. **Classes:** One 1 hour lecture and one 2 hour seminar per week. **Prerequisite:** 18 Junior credit points. **Assessment:** One 2000 word essay (mid-semester, 40%) and one 4000 word take-home exam (end-of-semester 60%).

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

This unit takes Patrick White's novels as a focal point for studying some key issues in modern Australian writing: the relationship between realism and modernism and the different roles afforded the writer in each; the nature of Australian epic; the treatment of suburban life and Australian social mores; the importance of the expressionist or Baroque tradition in Australian literature, and the position within this tradition of the homosexual writer; the role of irony, satire and parody.

Textbooks

White, P. *Voss* (Vintage)
 White, P. *Riders in the Chariot* (Vintage)
 White, P. *The Solid Mandala* (Vintage)
 White, P. *The Vivisector* (Vintage)
 White, P. *A Fringe of Leaves* (Vintage)
 White, P. *The Twyborn Affair* (Vintage)

Recommended Texts

White P. *Flaws in the Glass* (Vintage)
 Prichard, K. *Straight Left* (Wild & Woolley)
 White, P. *Patrick White Speaks* (Primavera Press)
 Marr, D. *Patrick White: A Life* (Random House)
 Marr, D. *Patrick White: Letters* (Random House)
 During, S. *Patrick White* (OUP)

ASLT 2016 Australian Stage and Screen

8 credit points. **Prerequisite:** 18 Junior credits points. **Prohibition:** ASLT 2006. **Assessment:** 2000 wd journal. (30%), 4000 wd take home exam, (50%) & class contribution (20%).

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

This course introduces the cultural history of Australia through texts drawn from the Australian stage and screen. Ranging from nineteenth-century comedy and melodrama to twentieth-century expressionist theatre and silent and contemporary film, the texts will focus discussion on such issues as the legacy of Australia's colonial and convict past, its changing political and cultural relationship with Britain, the construction of the Australian landscape, the interaction of indigenous and non-indigenous cultures, and the concept of multiculturalism.

Textbooks

Texts include:
 Darrell, *The Sunny South*
 Davis, *The Dreamers*
 Geoghan, *The Currency Lass*
 Hibberd, *A Stretch of the Imagination*
 Lawler, *Summer of the Seventeenth Doll*
 Lindsay, *Picnic at Hanging Rock*
 Prichard, *Brumby Innes*
 Rudd, *On Our Selection*
 Williamson, *Don's Party*

ASLT 3901 Australian Literature Research Methods

4 credit points. Professor Webby. **Session:** 1. **Classes:** 1.5 hours per week. **Prerequisite:** 16 Senior credit points in Australian Literature with Credit average. **Corequisite:** ASLT 3902. **Assessment:** Assignments and essays to total of 3000 words.

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 3902 Australian Literature Research Issues

4 credit points. Dr Brennan. **Session:** 2. **Classes:** 1.5 hours per week. **Prerequisite:** 16 Senior credit points in Australian Literature with Credit average. **Corequisite:** ASLT 3901. **Assessment:** Assignments and essays to total of 3000 words.

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. Professor Webby, Dr DG Brooks, Dr Brennan, Dr Rowe, Dr van Toorn. **Session:** 1, 2. **Classes:** Students will take a semester in critical theory and four other 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. **Prerequisite:** Credit or above in 48 Senior credit points in Australian Literature including ASLT 3901 and 3902 (may include up to 16 Senior credit points of English). **Assessment:** All students will submit a long essay on a topic to be approved. Essays are 12,500 words in length, and are due on Monday 11 October 2004. Each semester option is assessed by a 4000 word essay.

Department permission required for enrolment.

Criticism and Critical Theory (Compulsory)

Dr Brooks. Semester 1. Classes: 2 hrs per week.

This seminar will consider recent theoretical developments including post-structuralist, post-colonial and feminist approaches. It will examine both original works of literary theory and uses made of them by Australian critics. A reading list will be made available at the beginning of the year.

Journeys of Healing

Dr Brennan. Semester: 2. Classes: 2 hours per week.

This seminar is designed to introduce some complex, (largely) contemporary, Australian texts that deal in various ways with traumatic journeys through physical and psychological landscapes towards a sense of personal reconciliation. It aims

- to interpret journey stories by analysing the significance of such elements as narrative structure and perspective, patterns of imagery, processes of integration and/or disintegration, acquisition of understanding and role of uncertainty;
- to examine, in light of the above, how the different texts use the journey to establish different relationships between narrative and healing;
- to encourage students to reflect, more generally, on how they understand the relationship between narrative and healing; to appreciate the ways in which various Australian writers address issues of gender, ethnic and race politics.

Texts will include:

Stow R. *To the Islands* (1958)
 Sallis E. *Hiam* (1998)
 Mahood K. *Craft for a Dry Lake* (2000)
 Winton T. *Dirt Music* (2001)
 Scott K. *Benang: From the Heart* (1999)
 Miller A. *Journey to the Stone Country* (2002)
 Scott R. *Faith Singer* (2001)
 Clendinnen I *Tiger's Eye* (2000)

Selection of Australian poetry and theoretical readings provided in course reader.

Postcolonial Literatures and Theory

Dr P van Toorn. Semester: 1. Classes: 2 hours per week.

This seminar reads a range of postcolonial novels and poems through the lens of some influential postcolonial theories, which in turn become subject to critique in the light of literary practices. After developing a foundational understanding of colonial discourse and ideology, we will focus on literary and theoretical texts from the 'second world' settler societies of Canada and Australia, the 'third world' nations of Africa, India, and the Caribbean, and the 'fourth world' indigenous societies that are now undergoing a cultural renaissance. Questions to be addressed include the appropriateness of the term 'postcolonial' and the numbering of 'worlds'; the development of hybrid languages and intercultural traditions; gender, sexuality, and empire; intra-national colonisation; postcoloniality as a reading practice; subversive mimicry and re-writing; orality and literacy; nation and narration; neo-imperialism; and the relation between the postmodern and the postcolonial.

Texts will include:

Achebe C. *Things Fall Apart*. Heinemann
 Atwood M. *Bodily Harm*. Vintage Random House
 Brodber E. *Jane and Lousia Will Soon Come Home*. New Beacon Books

Conrad J. *Heart of Darkness*. Penguin
 Dangaremba T. *Nervous Conditions*. Tower Books
 Malouf D. *An Imaginary Life*. Vintage Random House
 Scott K. *Benang*. Fremantle Arts Centre Press
 A Resource Book containing theoretical and other readings
 will be available from the University Copy Centre.

Australian Poetry and the Symbolists

Dr D. Brooks. Semester: 2. Classes: 2 hours per week

A study of the poetics and key poetry of the 'Symbolist' 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. Leonie Kramer. UQP.

Hope A.D. *Selected Poetry and Prose*, ed. Brooks. Halstead.

Wright J. *Collected Poems*. HarperCollins.

Tranter J. *Selected Poems*. Hale & Iremonger.

Adamson R. *Selected Poems*. UQP

Adamson R. *Selected Poems*. UQP

Australian Postmodernism

Dr N. Rowe. Semester: 1. Classes: 2 hours per week.

This seminar examines a range of Australian texts in the light of specific theories of the postmodern. 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 postmodern and the postcolonial.

Texts will include:

Alexander G. *Mortal Divide*. Brandel & Schlesinger

Carey P. *The Unusual Life of Tristan Smith*. UQP

Castro B. *Stepper*. Random House

Jones, G. *Black Mirror*. Picador

Porter D. *The Monkey's Mask*. Hyland House

Lilley, K. *Versary*. Salt.

The seminar will also study a range of writings selected from the work of: Ken Bolton, Dean Kiley, Lionel Fogarty, J. S. Harry, Kevin Hart, John Kinsella, Jennifer Maiden, 'Ern Malley', Peter Minter, and David Brooks.

ASLT 4012 Australian Literature Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ASLT 4011.

Refer to ASLT 4011

ASLT 4013 Australian Literature Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ASLT 4012.

Refer to ASLT 4011

ASLT 4014 Australian Literature Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ASLT 4013.

Refer to ASLT 4011

■ Australian Studies

ASTR 2001 Australia: Land and Nation

8 credit points. Dr Rooney & others. **Session:** 2, Summer. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisite:** 18 Junior credit points. **Assessment:** One 2000 wd essay (30%); one 2000 wd take-home exam [end of semester (30%)]; class participation (10%) and one class presentation (30%).

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 2003 Film and Nation: Representing Australia

8 credit points. Dr Rooney and others. **Session:** 1. **Classes:** One 2 hour Lecture and one 1 hour tutorial. **Prerequisite:** 18 Junior credit points.

Assessment: One 1000 wd essay (25%); one class presentation (25%); one 2000 wd final essay plus one 2000 wd journal (40%); and class participation (10%).

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

This unit explores the shaping of the Australian nation through film and television. Resisting Authority considers Australians' enduring fascination with legendary figures like rebels or outlaws, exemplified in Ned Kelly. Module Two, Picturing Difference, examines the diversity of identities represented on the Australian screen, including representations of the foreigner or 'other'. Lastly, 'External Eye' looks at how a sense of nation develops with reference to what is 'beyond', in an imagined relation to the wider world.

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. Course Coordinator: L Davey. **Session:** 1. **Classes:** 3 hours per week. **Assessment:** One take-home exam 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. Course Coordinator: L Davey. **Session:** 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 2003 Biblical Studies 3

8 credit points. Course Coordinator: Dr Shani Berrin. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** BBCL 1001, BBCL 1002. **Assessment:** 2500 word essay; weekly tutorial preparation and one presentation; one 2 hour examination.

The prophetic books of the Hebrew Bible form the focus of this unit. There will be a close examination of the phenomenon of prophecy, and of the ways in which it is presented in Torah (Law) and in the Prophets section of the Hebrew Bible, in Samuel and Kings, as well as in the books of Isaiah, Jeremiah, Ezekiel and the book of Twelve.

BBCL 2004 Biblical Studies 4

8 credit points. Course Coordinator: Dr Shani Berrin. **Session:** 2. **Classes:** 3 hours per week. **Prerequisite:** BBCL 1001, BBCL 1002. **Assessment:** 2500 word essay; weekly tutorial preparation and one presentation; one 2 hour examination.

The program offers a full major: the other two senior units, Biblical Studies 5 (BBCL 2005) and Biblical Studies 6 (BBCL 2006), will be offered next year, 2005.

The group of books of the Hebrew Bible known as the Writings form the focus of this unit. Such texts as the book of Job, the Psalms, Proverbs, the Song of Songs and Qoheleth provide a rich field of investigation into areas of narrative, poetry, philosophy and religious belief.

■ Chinese Studies

CHNS 1101 Beginning Chinese (1)

6 credit points. **Session:** 1. **Classes:** Consult department. **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. **Prohibition:** May not be taken by those eligible to take intermediate or native-speaker stream units of study.

Assessment: (Subject to revision) classwork (10%); oral exercises (eg, role play exercises, interview) (25%); two major tests (15% each); shorter tests and quizzes (25%); other language exercises (10%).

Department permission required for 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.

Practical: Language laboratory work will be required.

Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level One, Part One.*

Textbook, Workbook and Character Workbook. Boston: Cheng and Tsui, 1997.

CHNS 1102 Beginning Chinese (2)

6 credit points. **Session:** 2. **Classes:** Consult department. **Assumed knowledge:** One semester of Chinese at introductory level, preferably using full-form characters. **Prerequisite:** CHNS 1101. **Corequisite:** Students are strongly advised to take ASNS 1101 if they plan to take senior units of study in Chinese. **Prohibition:** May not be taken by those eligible to take intermediate or native-speaker stream units of study.

Assessment: (Subject to revision) classwork (10%); oral exercises (eg, role play exercises, interview) (25%); two major tests (15% each); shorter tests and quizzes (25%); other language exercises (10%).

Continuation of Beginning Chinese (1). 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 to read simple texts. They should have mastery (reading and writing) of about 700 characters.

Practical: Language laboratory work will be required.

Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level One, Part Two.*

Textbook, Workbook and Character Workbook. Boston: Cheng and Tsui, 1997.

CHNS 1201 Intermediate Chinese (1)

6 credit points. **Session:** 1. **Classes:** Four hours per week. **Assumed knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (eg, putonghua, Cantonese) combined with no, or very limited, knowledge of characters. **Prohibition:** May not be taken by those eligible to take native-speaker stream units of study. **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).

Department permission required for 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 will include reading and writing skills and standard putonghua pronunciation.

Practical: Language laboratory work will be required.

Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. Oh, China!

Elementary Reader of Modern Chinese for Advanced Beginners. Princeton: Princeton University Press, 1997.

CHNS 1202 Intermediate Chinese (2)

6 credit points. **Session:** 2. **Classes:** Four hours per week. **Assumed knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (eg, putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. **Prerequisite:** CHNS 1201.

Corequisite: Students are strongly advised to take ASNS 1101 if they plan to take senior units of study in Chinese. **Prohibition:** May not be taken by those eligible to take native-speaker stream units of study.

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 Intermediate Chinese (1), with similar objectives, pace and workload. By the end of the year, students should be capable of reading Chinese-language materials of limited complexity, and of discussing them in putonghua.

Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. Oh, China!

Elementary Reader of Modern Chinese for Advanced Beginners. Princeton: Princeton University Press, 1997.

CHNS 1313 Classical Chinese for Native Speakers 1

6 credit points. Dr Herforth. **Session:** 1. **Classes:** Three hours per week.

Assumed knowledge: Full native-speaker competence (including character literacy) in a modern Chinese language (eg, putonghua, Cantonese). **Prohibition:** May not be taken after CHNS 1311/1312.

Assessment: (Subject to revision) classwork (10%); skill-building assignments (eg, translations, notebook) (30%); quizzes (20%); 1,000-word essay, in English (20%); one-hour examination (20%).

Department permission required for enrolment.

Students will gain a thorough grounding in the grammar of Classical Chinese through close analysis of passages from philosophical and historical texts mainly of the pre-Qin period. Supplementary readings in English and/or Chinese will enhance their knowledge of the intellectual, political and cultural background of the texts studied. The reading topics will be further explored in essay work and class discussion.

Textbooks

Course materials available from the University Copy Centre.

Wang Li. *Gudai Hanyu. [Old Chinese].* Beijing: Zhonghua Shuju, 1999.

Gu Hanyu changyong zi zidian [A dictionary of commonly used characters in Old Chinese]. Beijing: Shangwu Yinshuguan, 1998.

Recommended supplementary reference book: Edwin G. Pulleyblank. *Outline of Classical Chinese Grammar.* Vancouver: UBC Press, 1995.

CHNS 1314 Classical Chinese for Native Speakers 2

6 credit points. Dr Herforth. **Session:** 2. **Classes:** Three hours per week.

Assumed knowledge: A solid basic knowledge of the grammar of Classical Chinese. **Prerequisite:** CHNS 1313. **Corequisite:** ASNS 1101 is strongly recommended for students who have little knowledge of Chinese history and culture. **Prohibition:** May not be taken after CHNS 1312. **Assessment:** (Subject to revision) classwork (10%); skill-building assignments (eg, translations, notebook) (30%); quizzes (20%); 1,000-word essay, in English (20%); one-hour examination (20%).

Continuation of Classical Chinese for Native Speakers (1). Students will enhance their proficiency in reading Classical Chinese while deepening their knowledge of premodern Chinese culture.

Textbooks

Course materials available from the University Copy Centre

Wang Li. *Gudai Hanyu [Old Chinese].* Beijing: Zhonghua Shuju, 1999.

Gu Hanyu changyong zi zidian [A dictionary of commonly used characters in Old Chinese]. Beijing: Shangwu Yinshuguan, 1998.

Recommended supplementary reference book: Edwin G. Pulleyblank. *Outline of Classical Chinese Grammar.* Vancouver: UBC Press, 1995.

CHNS 1801 Chinese Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

CHNS 2021 Chinese In-Country Study I

16 credit points. **Session:** 1, 2. **Prerequisite:** CHNS 1102 or CHNS 1202 (or a sequel within the same stream). **Assessment:** As prescribed by the host institution. On returning to Sydney, enrolled students will take an examination (normally, two hours plus oral) for 30% of their final mark.

Department permission required for enrolment.

Enrolment in an approved intermediate or advanced Modern Standard Chinese language-training program at a tertiary institution in China or Taiwan. Open to students in the non-background-speaker and intermediate streams only.

CHNS 2022 Chinese In-Country Study II

16 credit points. **Session:** 1, 2. **Prerequisite:** CHNS 1102 or CHNS 1202 (or a sequel within the same stream). **Assessment:** As prescribed by the host institution. On returning to Sydney, enrolled students will take an examination (normally, two hours plus oral) for 30% of their final mark.

Department permission required for enrolment.

Enrolment for a second semester of study in an approved intermediate or advanced Modern Standard Chinese language-training program at a tertiary institution in China or Taiwan. Open to students in the non-background-speaker and intermediate streams only.

CHNS 2023 Chinese In-Country Study A

8 credit points. **Session:** 1, 2. **Prerequisite:** CHNS 1102 or CHNS 1202 (or a sequel within the same stream). **Prohibition:** Open to students in the non-background-speaker and intermediate streams only.

Assessment: As prescribed by the host institution. On returning to Sydney, enrolled students will take an examination (normally, one hour plus oral) for 30% of their final mark.

Department permission required for enrolment. Students who plan to enrol in a summer in-country program offered by another Australian university should consult the department about acceptability for credit, assessment arrangements, etc.

Credit for this unit of study may be awarded when a student has successfully completed a summer (or equivalent) in-country Chinese-language program or has successfully undertaken sufficient additional hours in a semester-long program to justify the award of extra credit points beyond the sixteen normally awarded for such programs. Available only for approved intermediate and advanced Modern Standard Chinese language-training programs at tertiary institutions in China and Taiwan.

CHNS 2024 Chinese In-Country Study B

8 credit points. **Session:** 1, 2. **Prerequisite:** CHNS 1102 or CHNS 1202 (or a sequel within the same stream). **Prohibition:** Open to students in the non-background-speaker and intermediate streams only.

Assessment: As prescribed by the host institution. On returning to Sydney, enrolled students will take an examination (normally, one hour plus oral) for 30% of their final mark.

Department permission required for enrolment. Students who plan to enrol in a summer in-country program offered by another Australian university should consult the department about acceptability for credit, assessment arrangements, etc.

Credit for this unit of study may be awarded when a student has successfully completed a summer (or equivalent) in-country Chinese language program or has successfully undertaken sufficient additional hours in a semester-long program to justify the award of extra credit points beyond the sixteen normally awarded for such programs. Available only for approved intermediate and advanced Modern Standard Chinese language-training programs at tertiary institutions in China and Taiwan.

CHNS 2101 Second-Year Chinese (1)

8 credit points. **Session:** 1. **Classes:** Consult department. **Assumed knowledge:** One year (approx. 5 hrs/wk for 26 wks) of Chinese at introductory level, preferably using full-form characters. **Prerequisite:** CHNS 1102. **Prohibition:** May not be taken by those eligible to take intermediate or native-speaker stream units of study. **Assessment:** (Subject to revision) classwork, including language exercises (10%); group project (10%); four major tests (10% for the first, then 20% each); one shorter test (10%).

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 over 1,000 characters and be able to engage in simple discussions, write short compositions and read fluently within their vocabulary range.

Practical: Language laboratory work will be required.

Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level Two. Textbook and Workbook.* Boston: Cheng and Tsui, 1997.

CHNS 2102 Second-Year Chinese (2)

8 credit points. **Session:** 2. **Classes:** Consult department. **Assumed knowledge:** Sound intermediate knowledge of Modern Standard Chinese, including full mastery of at least 1,000 characters (preferably full-form). **Prerequisite:** CHNS 2101. **Prohibition:** May not be taken by those eligible to take intermediate or native-speaker stream units of study. **Assessment:** (Subject to revision) classwork, including language exercises (20%); two group projects (10% each); three major tests (20% each).

Continuation of Second-year Chinese (1), 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 be able to read Chinese-language materials of some complexity and to discuss their content orally and in short compositions.

Practical: Language laboratory work will be required.

Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level Two. Textbook and Workbook.* Boston: Cheng and Tsui, 1997.

CHNS 2111 Beginning Classical Chinese

4 credit points. Dr Herforth. **Session:** 1. **Classes:** Consult department; will be taught together with CHNS 2903. **Assumed knowledge:** One year of Chinese at introductory level, preferably using full-form characters. **Prerequisite:** CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. **Prohibition:** May not be taken by those eligible to take native-speaker stream units of study. **Assessment:** (Subject to revision) classwork (20%); two 30-minute tests and three 40-minute tests (20% each; subject to certain conditions, only the better of the first two marks is counted).

NB: Prospective Honours students should take this unit or CHNS 2903 if eligible.

Introduction to Classical Chinese, an ancient language that still plays a role in modern China. Students will gain a basic

understanding of the grammar, thus equipping themselves to approach the rich storehouse of philosophical and other literature written in Classical Chinese.

Textbooks

Robert L. Chard and Helen Dunstan. *Foundations in Classical Chinese.* Available from University Copy Centre.

CHNS 2112 Readings in Classical Chinese

4 credit points. Dr Herforth. **Session:** 2. **Classes:** Consult department; will be taught together with CHNS 2904. **Assumed knowledge:** Basic knowledge of the grammar of Classical Chinese. **Prerequisite:** CHNS 2111 or CHNS 2211 or CHNS 2903. **Prohibition:** May not be taken by those eligible to take native-speaker stream units of study. **Assessment:** (Subject to revision) classwork (20%); three half-hour tests (55%); one 90-minute take-home test or equivalent assignment (25%).

NB: Prospective Honours students should take this unit or CHNS 2904 if eligible.

In continuing their introductory study of Classical Chinese grammar, students will begin to read short passages from historical, philosophical and literary texts written in ancient China.

Textbooks

Robert L. Chard and Helen Dunstan. *Foundations in Classical Chinese.* Available from University Copy Centre.

Supplementary reference book: Edwin G. Pulleyblank. *Outline of Classical Chinese Grammar.* Vancouver: UBC Press, 1995

CHNS 2203 Senior Intermediate Chinese (1)

8 credit points. Dr Chan. **Session:** 1. **Classes:** Four hours per week. **Assumed knowledge:** Limited ability to read material in characters; native- or near-native-speaker fluency in putonghua, or basic command of putonghua combined with native-speaker fluency in another Chinese language (eg, Cantonese). Students entering this unit of study will typically know about 1,000 characters. **Prerequisite:** CHNS 1202; or CHNS 3104 plus instructor's permission. **Prohibition:** May not be taken by those eligible for the native-speaker stream. **Assessment:** (Subject to revision) classwork (15%); two one-hour composition tests (15% in total); two one-hour reading/writing tests (15% each); interview and group presentation (10% each); five short quizzes (20%).

Readings in Chinese on contemporary issues (eg, population, environment, recent political developments, the Chinese economy, youth culture, the position of women, education, etc.). Oral and written discussion, in Chinese, of the issues raised by the readings.

Practical: Language laboratory work may be required.

Textbooks

Chou Chih-p'ing, Xia Yan and Goh Meow Hui. *All Things Considered: Advanced Reader of Modern Chinese.* Princeton: Princeton University Press, 2001.

CHNS 2204 Senior Intermediate Chinese (2)

8 credit points. **Session:** 2. **Classes:** Four hours per week. **Assumed knowledge:** Reading skills in Chinese that fall short of full literacy; native- or near-native-speaker fluency in putonghua, or intermediate command of putonghua plus native-speaker fluency in another Chinese language (eg, Cantonese). Students entering this unit of study will typically know about 2,000 characters. **Prerequisite:** CHNS 2201 or CHNS 2203. **Prohibition:** May not be taken by those eligible for the native-speaker stream. **Assessment:** (Subject to revision) classwork (15%); two one-hour composition tests (15% in total); two one-hour reading/writing tests (15% each); interview and group presentation (10% each); five short quizzes (20%).

Continuation of CHNS 2203. On completion of this unit of study, students should have enhanced proficiency in reading authentic materials on contemporary issues and in discussing such issues orally and in writing.

Practical: Language laboratory work may be required.

Textbooks

Chou Chih-p'ing, Xia Yan and Goh Meow Hui. *All Things Considered: Advanced Reader of Modern Chinese.* Princeton: Princeton University Press, 2001.

CHNS 2801 Chinese Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

CHNS 2802 Chinese Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

CHNS 2803 Chinese Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

CHNS 2807 Chinese Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

CHNS 2808 Chinese Exchange4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

CHNS 2903 Honours Stream Classical Chinese (1)

8 credit points. Dr Herforth. **Session:** 1. **Classes:** Three hours per week; will be taught together with CHNS 2111. **Assumed knowledge:** Good basic grounding in Modern Standard Chinese including full mastery of at least 600 characters. Performance in previous formal studies of Chinese must have been above average (Credit or a full B). **Prerequisite:** Credit or higher in CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. **Prohibition:** May not be taken by those eligible for the native-speaker stream; such students can qualify for Honours entry by another route. May not be taken with or after CHNS 1311, CHNS 1313, CHNS 2111 or CHNS 2211. **Assessment:** (Subject to revision). For the language component, a mark out of 100 is calculated according to the specifications for CHNS 2111; this mark is given a weighting of 65%. The 3,000-word cultural exploration project essay counts for 35%.

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

Designed for students who hope to do Honours, this unit of study combines preliminary practice in academic research skills with an introduction to Classical Chinese, the literary language of Chinese civilisation. Students will gain a basic understanding of Classical Chinese grammar, thereby laying the foundation for Honours-level work in Chinese literature, philosophy or history. They will also undertake a cultural exploration project on a topic of their choice, using translations of Classical Chinese texts and English-language secondary sources.

Textbooks

Robert L. Chard and Helen Dunstan. Foundations in Classical Chinese. Available from University Copy Centre.

CHNS 2904 Honours Stream Classical Chinese (2)

8 credit points. Dr Herforth. **Session:** 2. **Classes:** Three hours per week; will be taught together with CHNS 2112. **Assumed knowledge:** Solid introductory grounding in Classical Chinese, preferably using full-form characters. **Prerequisite:** Credit or higher in CHNS 2111, CHNS 2211 or CHNS 2903. **Prohibition:** May not be taken by those eligible for the native-speaker stream; such students will be able to qualify for Honours entry by another route. May not be taken with or after CHNS 1312, CHNS 1314, CHNS 2112 or CHNS 2212. **Assessment:** (Subject to revision). For the language component, a mark out of 100 is calculated according to the specifications for CHNS 2112; this mark is given a weighting of 65%. The 3,000-word cultural exploration project essay counts for 35%.

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

This unit of study gives intending Honours students the opportunity of further developing the linguistic and research skills acquired in CHNS 2903. In continuing their introductory study of Classical Chinese grammar, students will read short passages from historical, philosophical and literary texts written in ancient China, thus laying the foundations for literacy in this challenging language. Research project work may, where appropriate, incorporate English-language readings on methodological issues in the student's chosen discipline.

Textbooks

Robert L. Chard and Helen Dunstan. Foundations in Classical Chinese. Available from University Copy Centre.

Supplementary reference book: Edwin G. Pulleyblank. Outline of Classical Chinese Grammar. Vancouver: UBC Press, 1995.

CHNS 3103 Third-Year Chinese (1)

8 credit points. **Session:** 1. **Classes:** Consult department. **Assumed knowledge:** Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Prerequisite:** CHNS 2102. **Prohibition:** May not be taken after CHNS 3101. May not be taken by those eligible to take intermediate or native-speaker stream units of study. **Assessment:** (Subject to revision) Language component: classwork, including homework exercises (10%); two one-hour tests (25%); interview and group presentation (15%); short quizzes (10%). Literature component: classwork (10%); one one-hour test (20%); formal and informal writing assignments, in Chinese, equivalent to 1,400 words of English (10%).

Readings in Chinese on contemporary issues (eg, population, cultural change, the position of women, education, etc.). Oral and written discussion, in Chinese, of the issues raised by the readings. In addition, two class hours per week will be spent on study of selected literary texts (eg, poems, short stories) and other artistic works (eg, films) that reflect the concerns of Chinese people in the modern world.

Practical: Language laboratory work will be required.

Textbooks

Huang Weijia and Ao Qun, Chinese Language and Culture: An Intermediate Reader. Hong Kong: Chinese University Press, 2002.

CHNS 3104 Third-Year Chinese (2)8 credit points. Dr Wang. **Session:** 2. **Classes:** Consult department.

Assumed knowledge: Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese.

Prerequisite: CHNS 3103. **Prohibition:** May not be taken after CHNS 3102. May not be taken by those eligible to take intermediate or native-speaker stream units of study. **Assessment:** (Subject to revision) Language component: classwork, including homework exercises (10%); two one-hour tests (25%); interview and group presentation (15%); short quizzes (10%). Literature component: classwork (10%); one one-hour test (20%); formal and informal writing assignments, in Chinese, equivalent to 1,400 words of English (10%).

Continuation of CHNS 3103. On completion of this unit of study, students should have enhanced proficiency in reading Chinese-language materials on contemporary and cultural issues and discussing such issues orally and in writing. They should also have increased experience of reading literary texts of the same kind as those studied during First Semester.

Practical: Language laboratory work will be required.

Textbooks

Huang Weijia and Ao Qun, Chinese Language and Culture: An Intermediate Reader. Hong Kong: Chinese University Press, 2002.

CHNS 3421 Chinese for Business Purposes (1)

4 credit points. **Session:** 1. **Classes:** Two hours per week. **Assumed knowledge:** Sound intermediate knowledge of Modern Standard Chinese. **Prerequisite:** CHNS 2102 or CHNS 1202. **Corequisite:** CHNS 3103 or CHNS 2203. **Prohibition:** Not open to students in the native-speaker stream. **Assessment:** (Subject to revision) classwork (20%); reading comprehension tests (40%); business correspondence composition tests (20%); oral tests (10%); vocabulary tests (10%).

Intermediate-stream students are warned to take this unit of study at the same time as CHNS 2203, as they will normally not be allowed to take it later.

An introduction to Business Chinese for students with sound intermediate knowledge of Modern Standard Chinese. Basic training in handling business correspondence in Chinese, reading relevant documents (eg, newspaper, promotional and/or simple legal materials) and conducting routine business discussions.

Textbooks

Zhang Taiping. Guoji shangwu Hanyu jiaocheng [International Business Chinese Course]. Beijing: Beijing Daxue chubanshe, 2000.

CHNS 3422 Chinese for Business Purposes (2)

4 credit points. **Session:** 2. **Classes:** Two hours per week. **Assumed knowledge:** Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. **Prerequisite:** CHNS 3421. **Corequisite:** CHNS 3104 or CHNS 2204. **Prohibition:** Not open to students in the native-speaker stream. **Assessment:** (Subject to revision) classwork (20%); reading comprehension tests (40%); business correspondence composition tests (20%); oral tests (10%); vocabulary tests (10%).

Intermediate-stream students are warned to take this unit of study at the same time as CHNS 2204, as they will normally not be allowed to take it later.

Continuation of Chinese for Business Purposes (1). Students will continue their advanced study of Modern Standard Chinese as used in business contexts, and will enhance their proficiency through business-oriented language activities.

Textbooks

Zhang Taiping. Guoji shangwu Hanyu jiaocheng [International Business Chinese Course]. Beijing: Beijing Daxue chubanshe, 2000.

CHNS 3443 Classical Chinese Fiction

4 credit points. Dr Herforth. **Session:** 2. **Classes:** Two hours per week. Will be taught together with CHNS 3543. **Assumed knowledge:** Sound basic knowledge of Classical Chinese. **Prerequisite:** CHNS 2112 or CHNS 2212 or CHNS 2904. **Prohibition:** CHNS 3543. Not open to native-speaker-stream students. **Assessment:** Classwork, including preparation of vocabulary (25%); annotated translations into English (40%); two 45-minute tests or other writing assignment(s) to a total of 1,500 words (35%).

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

What issues does fiction in Classical Chinese raise about belief, imagination and emotion in traditional Chinese society? We shall examine samples of such fiction – eg, pre-Tang tales of the supernatural, Tang chuanqi, 'strange stories' by the scholar Pu Songling.

Textbooks

Reader available from the University Copy Centre.

CHNS 3451 Readings in Chinese Philosophy

4 credit points. Dr Herforth. **Session:** 1. **Classes:** Two hours per week. Will be taught together with CHNS 3551. **Assumed knowledge:** Sound basic knowledge of Classical Chinese. **Prerequisite:** CHNS 2112 or CHNS 2212 or CHNS 2904. **Prohibition:** CHNS 3551. Not open to native-speaker-stream students. **Assessment:** Classwork, including

preparation of vocabulary (25%); annotated translations into English (40%); two 45-minute tests or other writing assignment(s) to a total of 1,500 words (35%).

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

This unit of study offers students the opportunity to explore China's philosophical traditions through representative short texts studied in the original Classical Chinese. There may be a focus on Confucianism and/or Daoism.

Textbooks

Reader available from the University Copy Centre.

CHNS 3532 The Novel in Pre-Modern China

8 credit points. Dr Chan. **Session:** 1. **Classes:** 3 hours per week.

Assumed knowledge: Advanced or native-speaker proficiency in reading Chinese. **Prerequisite:** CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission. **Assessment:** Classwork (20%); two one-hour tests (10% each); oral presentation (10%); two 1,700-word essays (25% each). One of the two essays may be in Chinese (consult instructor for required number of characters).

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

Beauty, fantasy, satire, eroticism, humour, historical romance, apt character depiction, monumental scale, reflection of popular taste, appeal to refined sensibility... The numerous novels written in pre-modern China have diverse characteristics, and some are better known than others. Students will read one or more novels in the original and/or translation. Intensive study of selected chapters, read in the original, will be combined with consideration of Chinese and/or Western scholarship on the texts in question.

Textbooks

Consult department. Will include reader available from the University Copy Centre.

CHNS 3538 Gender in Modern Chinese Literature

8 credit points. Dr Wang. **Session:** 2. **Classes:** Three hours per week.

Assumed knowledge: Advanced or native-speaker proficiency in reading Chinese. **Prerequisite:** CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission. **Assessment:** Classwork (20%); 3,000-word essay (35%); other written assignment(s) – eg, discussion report, totalling 2,500 words (30%); oral assignment(s) (eg, discussion leadership) (15%). Either the essay or one other piece of written work may be in Chinese (consult instructor for required number of characters).

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

Recent research on gender and related issues in Chinese cultural context has transformed conventional ideas about the roles of women in the Chinese world. This unit of study will illustrate the value of gender-sensitive scholarship by focusing on literary studies. Students will learn fresh approaches to the study of Chinese society and culture by examining the representation of gender and sexuality in (mainly) modern Chinese literature.

Textbooks

Reader available from the University Copy Centre.

CHNS 3543 Classical Chinese Fiction (Advanced)

8 credit points. Dr Herforth. **Session:** 2. **Classes:** Three hours per week.

Assumed knowledge: Good grounding in Classical Chinese. **Prerequisite:** CHNS 1312 or CHNS 1314; or Distinction in CHNS 2112, CHNS 2212 or CHNS 2904 and permission of instructor. **Prohibition:** CHNS 3443. **Assessment:** Classwork (including questions on prepared reading and impromptu writing tasks) (25%); skill-building exercises (eg, annotated translation) (25%); 2,500-word essay in English (25%); two 45-minute tests (10% and 15%). Translation will normally be into modern Chinese (except in the essay), but English may be substituted with the instructor's permission.

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

How does the lean prose of Classical Chinese express complexities of feeling or imagination? What issues does fiction in this ancient language raise about traditional Chinese society, beliefs and values? This unit of study examines samples of such fiction from one or more historical periods (eg, pre-Tang tales of the supernatural, the chuanqi fiction of the Sui and Tang, the 'strange stories' of the seventeenth-century scholar Pu Songling), in light of these questions and of modern scholarship.

Textbooks

Reader available from the University Copy Centre.

CHNS 3551 Readings in Chinese Philosophy (Adv)

8 credit points. Dr Herforth. **Session:** 1. **Classes:** Three hours per week.

Assumed knowledge: Good grounding in Classical Chinese. **Prerequisite:** CHNS 1312 or CHNS 1314. **Prohibition:** CHNS 3451. **Assessment:** Classwork (including questions on prepared reading and impromptu writing tasks) (25%); skill-building exercises (eg, annotated

translation) (25%); 2,500-word essay in English (25%); two 45-minute tests (10% and 15%). Translation will normally be into modern Chinese (except in the essay), but English may be substituted with the instructor's permission.

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

This unit of study offers students the opportunity to explore China's great philosophical traditions through readings of representative texts in the original. There may be a focus on one or more of the following: pre-Qin philosophical diversity; Daoism and Neo-Daoism; the Song and Ming Neo-Confucian schools; Chinese contributions to Buddhist philosophy. Students will be expected to read relevant secondary scholarship in the areas selected for study.

Textbooks

Reader available from the University Copy Centre.

CHNS 3902 Approaches to Research on China

4 credit points. Prof. Dunstan. **Session:** 2. **Classes:** Two hours per week; may be taught jointly with similar units of study in Japanese, Korean and Southeast Asian studies. **Assumed knowledge:** Advanced reading proficiency in Chinese and English; also recommended are experience of independent essay-writing in one or more humanities or social science discipline(s), plus the ability to think critically and write analytically.

Prerequisite: Minimum of 32 senior CHNS credit points; Credit average in all senior CHNS credit points taken. **Assessment:** (Subject to revision) classwork (20%); 1,000-word critical review of one pair of class readings (20%); 2,000-word research proposal (50%); presentation based on draft proposal (10%).

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

Broad background reading in preparation for the Honours thesis; discussion of published work exemplifying a range of approaches to humanistic and/or social scientific research, thereby providing models on which students can draw in creating their own research proposal.

Textbooks

Reader available from the University Copy Centre.

CHNS 3903 Exploring Gender in Classical Chinese

4 credit points. Prof. Dunstan. **Session:** 1. **Classes:** Two hours per week.

Assumed knowledge: Students will be expected to read materials in relatively straightforward Classical Chinese. Good reading ability in English is also important. **Prerequisite:** Credit result in CHNS 2112 or CHNS 2212 or CHNS 2904; or credit result in CHNS 1312 or CHNS 1314 and in at least two units of study with the prefix CHNS 35XX. As this is a pre-Honours unit of study, it is expected that enrolling students will have realistic prospects of an overall credit average in senior CHNS units of study on completion of the required number of credit points for admission to Honours. **Prohibition:** May not be taken after CHNS 3901.

Assessment: Classwork (contributions to discussion and to collective study of the Chinese-language materials) 35%; 2,000-word research essay 35%; other skill-building exercises (including informal presentation based on reading for essay and choice between research bibliography and short book review) 30%.

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

If your husband loves you, why bring another woman into your marriage? We shall use a Classical Chinese autobiography to explore the fascinating world of gender and culture in premodern China. The unit also provides practice in research skills for prospective Honours students.

Textbooks

Shen Fu. Six Records of a Floating Life. Trans. Leonard Pratt and Chiang Su-hui. Harmondsworth: Penguin Books, 1983.

Set of reading materials in Chinese and English available from the University Copy Centre.

CHNS 4011 Chinese Honours A

12 credit points. Dr Chan, Dr Herforth, Dr Wang and Professor Dunstan.

Session: 1, 2. **Prerequisite:** Minimum of 48 senior CHNS credit points normally including CHNS 3901 or 3903, plus CHNS 3902 and at least 16 senior credit points of Classical Chinese studies (which may include CHNS 3901 or CHNS 3903). In the case of students in the non-background-speaker stream, 64 senior CHNS credit points are highly recommended, while the minimum is 56. A Credit average in the qualifying units of study is essential. Well-qualified students who do not fully meet the above requirements may contact the Chair of Department to discuss possibilities for their acceptance into the Honours program.

Department permission required for enrolment.

The program comprises four coursework components plus the Honours thesis, as described below. It is intended that in 2004, the standard coursework components will be in Chinese thought, society and literature. However, individual students may, where feasible, negotiate substitute arrangements with the chair of department in accordance with their interests and preparation.

In the event of tiny enrolment, the department may teach one or more of the coursework components as one-hour/week tutorials.

Semester 1 program

Society and Individual in Post-Mao China

During the past two decades of reform in China, the relationships between individuals, the state and the larger society have been fundamentally transformed. This component examines the impact of China's transition from socialism on major social issues, processes and institutions, such as social inequality, migration, human rights, education, popular culture, the status of women, and the experience of minority communities. Both Chinese- and English-language materials will be read.

Change and Innovation in Tang Poetry

This component offers advanced training in analysing and interpreting Tang poems in their historical context. The focus will be on variation in style and theme in different periods, from the brilliant landscape of the High Tang poets and Li Bo's transcendent imagery through Du Fu's 'social realism' to the delicate style of Li Shangyin and others.

Semester 2 program

The City in Chinese Film and Fiction

What images come to mind when one thinks of Chinese cities? What kinds of urban space have Chinese people shaped? How have Chinese ideas of the city changed with time and varied between regions? How do conceptions of the city feature in Chinese people's assumptions about national and regional identity? Contemporary approaches in literary and film studies will be applied to an exploration of these questions through study of representations of the city in Chinese film and fiction (read in the original).

Expression and Repression in Premodern China

This component examines the relationship between Confucian state ideology and the free expression of ideas in traditional Chinese political culture. The practice of formal protest at court and its idealisation in early intellectual heroes such as Qu Yuan is traced and compared with several later and better-documented cases of protest and censorship. Attention is given both to the state's repressive mechanisms and to philosophical aspects of the Confucian predicament.

Chinese Studies Honours Thesis (year-long project)

Research and writing, over two semesters, of a thesis of 12,000 to 16,000 words, in English, on an approved topic in Chinese Studies. Chinese-language material must be used. 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.

CHNS 4012 Chinese Honours B

12 credit points. **Session:** 1, 2. **Prerequisite:** See under CHNS 4011. Department Permission required for enrolment. See under CHNS 4011.

CHNS 4013 Chinese Honours C

12 credit points. **Session:** 1, 2. **Prerequisite:** See under CHNS 4011. Department Permission required for enrolment. See under CHNS 4011.

CHNS 4014 Chinese Honours D

12 credit points. **Session:** 1, 2. **Prerequisite:** See under CHNS 4011. Department Permission required for enrolment. See under CHNS 4011.

■ Classical Civilisation

CLCV 1001 Classical Mythology

6 credit points. Dr MacAlister. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Assessment:** One research project (2,000w or equivalent), one tutorial paper (1,500w), one 1 hr exam, 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)
H.J. Rose A Handbook of Greek Mythology (Methuen)
S MacAlister Homeric Hymns, A Project in Creation (Dept of Classics, Univ of Sydney – available from Gleebooks)
Course booklet (available from the University Copy Centre).

CLCV 1003 Image and Myth

6 credit points. Dr MacAlister and TBA. **Session:** 2. **Classes:** two lect & one tut/wk. **Prerequisite:** CLCV 1001 or ARCL 1001 or ARHT 1001. **Assessment:** One 2,000w essay, one 1,500w research project, one 1 hr image test, attendance and participation.

This unit of study is taught by members of the departments of Classics and Classical Archaeology. It considers ways in which ancient myths can be understood through the processes of inscription, recording, storage and transmission and how these processes have operated within and across the ancient cultures of the Graeco-Roman world and beyond, as well as how they have operated in the western disciplinary traditions. The aim is to approach the cultural significance of myths over time as they are inscribed and recorded on pots and other art media and in various forms of written evidence and, through all this, to consider processes of cultural control and power and the ways in which 're-interpretation' of inscription and recording arises across different cultural groups. Important links are made between the separate disciplines of Classics and Archaeology, and between the textual and visual critical approaches to the ancient Graeco-Roman worlds.

Textbooks

H J Rose. A Handbook of Greek Mythology (Methuen).
H A Shapiro. Myth into Art: Poet and Painter in Classical Greece (Routledge).

CLCV 2304 The Disempowered in Greco-Roman Society

8 credit points. Dr P Watson. **Session:** 1. **Classes:** 2 hrs/wk. Tutorial 1 hr/wk. **Prerequisite:** 12 Junior credit points in Ancient History (ANHS 1003/1004) or Archaeology (ARCL 1001) or Latin (LATN 1001/1002/1101/1102) or Ancient Greek (GRKA 1001/1002/1101/1102) or Classical Civilisation (CLCV 1001/1003). **Assessment:** 1000 word tutorial paper, 2000 word essay, 3000 word take home exam.

This unit focuses on persons standing outside the governing elite: women, children, slaves/freedmen, the physically abnormal, resident aliens. It concentrates on Rome in the 1st and 2nd centuries AD. Extensive use is made of recent research in areas such as sexuality, women, gender differences, slavery, the family and the cultural role of the Baths and the Arena. Source material is drawn from a wide range of literary texts, inscriptions and legal writings.

■ Classics

CLSS 4011 Classics Honours A

12 credit points. Dr L Watson. **Session:** 1, 2. **Classes:** 4 lectures/wk. **Prerequisite:** Credit results in GRKA 3904 and LATN 3904. **Assessment:** Thesis and four 2 hr exams (or equivalent), one 1.5 hr exam and one 3 hr exam.

Department permission required for enrolment.

The unit of study will comprise such parts of Fourth-Year studies in Greek and Latin as may be approved by the Faculty on the recommendation of the School in each individual case.

CLSS 4012 Classics Honours B

12 credit points. Dr L Watson. **Session:** 1, 2. **Corequisite:** CLSS 4011. Refer to CLSS 4011

CLSS 4013 Classics Honours C

12 credit points. Dr L Watson. **Session:** 1, 2. **Corequisite:** CLSS 4012. Refer to CLSS 4011

CLSS 4014 Classics Honours D

12 credit points. Dr L Watson. **Session:** 1, 2. **Corequisite:** CLSS 4013. Refer to CLSS 4011

■ English

ENGL 1000 University English

6 credit points. **Session:** 1, 2, Summer. **Classes:** One 1-hr lecture and One 2-hr workshop. **Prerequisite:** This unit is available to all enrolled students, and will count for credit across all Faculties. There are no specific prerequisites, corequisites or prohibitions. However it cannot be counted towards the junior credit points required to enrol in senior units of English. **Assessment:** Assignments (2 x 250 words), Editing task: 2000 words, Writing task: 2000 words.

This unit develops practical skills for students across the University who wish to improve their ability to use English in academic contexts. The unit will include the analysis of different types of written material used in different faculties, practice in structuring and presenting essays and reports, practical writing tasks and work designed to strengthen the students' knowledge and use of basic English grammar. The unit makes extensive use of interactive WebCT-based resources to support students' learning.

Textbooks

A Resource Book will be available from the Copy Centre

ENGL 1005 Language and Image

6 credit points. Dr Harbus. **Session:** 1, 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prohibition:** 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.

ENGL 1015 Inventing Modernity

6 credit points. Dr Semler. **Session:** 1. **Classes:** Two 1hr lectures and one 1hr tutorial. **Assessment:** 1000 wd essay, 1500 wd essay, oral presentation, tutorial performance and one 1.5 hr examination.

What factors and features make our world distinctively Modern? This unit presents a coherent view of literary, cultural and social developments from the eighteenth century to the present day, using the umbrella term 'Modernity' as a unifying concept. Students will explore a variety of texts which investigate and represent key aspects of the developing Modern experience, incorporating such topics as individual identity, mass culture, nature, the city, gender, the Gothic, and the relationship between texts and other media.

Textbooks

The Norton Anthology of English Literature (7th edn) Volume 2 (Compulsory)

Recommended: Jonathan Culler, *Literary Theory: A Very Short Introduction*.

ENGL 1020 Literary Mythologies

6 credit points. Dr Speed. **Session:** 2. **Classes:** Two 1hr lectures and one 1hr tutorial. **Assessment:** One 2000wd essay, one 1000wd assignment, oral presentation, tutorial performance, one 1hr examination.

According to Roland Barthes, 'mythologies' are the stories which societies tell about themselves. As we study a selection of medieval and Renaissance drama and romance, we will identify and articulate some of the 'mythologies' through which early English society defined itself, with particular reference to negotiations between individual behaviour and social order. You will be introduced to key critical terms such as intertextuality, denotation and connotation, and point of view, and acquire widely applicable skills in reading and analysis.

Textbooks

William Shakespeare, *Much Ado about Nothing* (World's Classics)

Resource Book (available from the University Copy Centre)

ENGL 1025 Fiction, Film and Power

6 credit points. Dr van Toorn. **Session:** 2. **Classes:** One 1hr lecture and one 2hr workshop. **Assessment:** One 1500wd essay, portfolio, 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 workshops you will develop transferable skills in reading, analysis, oral communication and problem solving in teams. You will also build a portfolio in which you test various theories of power 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*

Course reader available from University Copy Centre

ENGL 1801 English Exchange

6 credit points. **Session:** 1, 2.

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. **Session:** 1, 2.

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 2000 Anglo-Saxon Norse and Celtic Studies

8 credit points. Dr Harbus (Coordinator), Associate Professor Barnes, Professor Clunies Ross, Associate Professor Fulton, Mr Ronalds.

Session: 2. **Classes:** Two 1hr lectures and one 1 hr tutorial.

Prerequisite: 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 studied in translation. The third hour will be a tutorial. Each student will choose to study one of the following four languages at elementary level: Old English (Anglo-Saxon); Old Norse (Old Icelandic); Middle Welsh and Old Irish. Students' understanding of the language strand will be examined at the end of semester.

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 ENGL 3911 (Studies in Medieval Languages A) or ENGL 3916 (Further Studies in Medieval Languages A).

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)

Eyrbyggja Saga (Penguin Classics)

ENGL 2003 American Literature: Imagining America

8 credit points. Dr Murphet (coordinator), Dr Kelly. **Session:** 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **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' and other selected poetry*

Dickinson – selected poetry *
 Melville – Bartleby, Benito Cereno, Billy Budd*
 Thoreau – ‘On Civil Disobedience’*
 James – Daisy Miller
 Twain – Huckleberry Finn
 Williams – ‘Spring and All’
 Fitzgerald – The Great Gatsby
 Faulkner – Absalom, Absalom
 Scorsese – The Gangs of New York
 Norton Anthology of American Literature vol B (*)

ENGL 2006 Communication and Media Studies

8 credit points. A/Professor Fulton (Coordinator). **Session:** 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One class test and one 3000 word essay.

This unit of study introduces the major issues in communication, including theories of mass communication, the institutional production of media messages, analysis of media texts and research into audience reception of the mass media.

Textbooks

James Watson, Media Communication (1998)

ENGL 2011 Jane Austen and Her Contemporaries

8 credit points. Associate Professor Gay. **Session:** 2, Summer. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One in-class exercise, one 2000 word essay and one 2 hour examination.

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)
 Elizabeth Inchbald. A Simple Story (World’s Classics)
 Ann Radcliffe. Romance of the Forest (World’s Classics)
 Mary Wollstonecraft. The Wrongs of Woman: or Maria (Penguin)
 Jane Austen. Northanger Abbey, ed. Butler. (Penguin)
 Jane Austen. Mansfield Park (Norton Critical Edition)
 Jane Austen. Emma (Norton Critical Edition)
 Jane Austen. Persuasion. (Norton Critical Edition)
 Resource Book (available from the University Copy Centre).

ENGL 2016 Pastoral

8 credit points. Dr Speed. **Session:** 1. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One 2500wd essay and one 1.5hr exam, tutorial participation and oral presentation.

Pastoral is concerned with rural life and the values it espouses. As a literary mode, it has widely been used from classical and biblical times, through the medieval and early modern periods to the present day, to articulate both communal ideals and personal desires. While many texts celebrate the pastoral ideal, others critique it; some are concerned with its vulnerability to threats of different kinds (such as the encroachment of the city, or the invasion of personal space), others represent it as the antithesis of present circumstances and deplore its loss or absence. This unit explores shifting manifestations of the pastoral in a range of texts from ancient to modern, variously in verse, prose, and drama, to identify creative and political deployments of pastoral in changing cultural climates.

Textbooks

Virgil, The Eclogue and Georgics (World’s Classics)
 Shakespeare, As You Like It (World’s Classics or Norton)
 Elizabeth Gaskell, North and South (Penguin)
 George Eliot, Silas Marner (World’s Classics)
 Thomas Hardy, Far from the Madding Crowd (World’s Classics)
 Resource Book, available from the University Copy Centre (including tales from Chaucer and Gower and a range of English poetry)

ENGL 2017 Postmodernism

8 credit points. Dr Murphet (Coordinator), Dr Hardie, Dr Lilley. **Session:** 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One in-class presentation, one 2000wd essay, one 2hr examination.

An introduction to postmodernism that combines study of contemporary literature with recent developments in theory and film. Postmodernism will be considered as the cultural ‘logic’ of the contemporary period, a field of literary, visual, commercial and communicational energies, defined by the social and economic coordinates of the present. Topics for discussion will include: the ‘death of affect’; the dissolution of the distinctions

between high and popular culture; chance and aleatory play; metatextuality, pastiche and style; paranoia and conspiracy.

Textbooks

Paul Thomas Anderson, Magnolia (film)
 J.G. Ballard, Crash; with consideration of scenes from David Cronenberg, Crash (film)
 Don DeLillo, White Noise
 E.L. Doctorow, Ragtime
 Lyn Hejinian, My Life
 Thomas Pynchon, The Crying of Lot 49
 Martin Scorsese, Casino (film)
 Course Reader

ENGL 2019 Semiotics Narrative and Subjectivity

8 credit points. Dr Harbus. **Session:** 1. **Classes:** One 1 hour lecture and one 2 hour workshop. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Prohibition:** SMTC 2001, SMTC 2002.

Assessment: Two 3000 word essays, and workshop participation.

This unit of study introduces students to semiotics: the study of how meaning is produced through systems of signs. The particular focus will be on the construction of subjectivity, or a sense of self, in written narrative. Students will explore the historical development of semiotics as a conceptual system, and how it has informed the development of cultural theories known as ‘structuralism’ and ‘poststructuralism’. Students will consider how words as systems of conventional and contextualised signs operate in discourse, especially the semiotic role of language in the construction of the social world, ‘reality’, through narrative and metaphor.

Textbooks

A Resource book will be available from the University Copy Centre.

ENGL 2023 Twentieth Century Literature: Modernism

8 credit points. Dr Marks (coordinator), Dr Murphet, Dr Spurr. **Session:** 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One in-class exercise, one 2500 word essay and one 2 hour examination.

Modernism is a complex and debated term, used to categorise a broad range of innovative works produced principally in Europe and America between 1890 and 1940. During this period, artists strove to find fresh ways of representing and making sense of massive cultural, social and technological changes. The unit focuses on challenging literary texts, analysing them in relation to other artistic modes such as music, painting and cinema. We deal with these texts in terms of topics such as mass culture, the autonomy of art and the artist, individual consciousness, decadence, gender, the city, and political developments. The unit also investigates the history of Modernism as an academic enterprise, including recent reappraisals in the light of challenges proposed by Postmodernists, amongst others.

Textbooks

William Faulkner, The Sound and the Fury
 James Joyce, Ulysses
 Virginia Woolf, Mrs Dalloway
 A Resource Book, obtainable at the University Copy Centre, for poetry by W.B. Yeats, T.S. Eliot, Wallace Stevens and other materials.

ENGL 2027 Reading Sexuality

8 credit points. Dr Lilley, Dr Hardie. **Session:** 2. **Classes:** 3 hrs per week, lecture + seminar. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One seminar paper and one essay (6000 words altogether).

This unit explores the relationship between sexuality and cultural production through detailed, historicized readings of exemplary theoretical, narrative and film texts.

Textbooks

A reader will be available including Freud, Sedgwick, Butler and more.

Set Books:

Foucault. The History of Sexuality, Vol. 1 (Penguin)
 Richardson. Pamela (Penguin)
 Wilde. The Picture of Dorian Gray (Penguin)
 Larsen. Passing (Penguin)
 Susann. Valley of the Dolls (Penguin)
 Capote. Answered Prayers (Penguin)

Set Films:

Laura (1944, d. Preminger)
 Valley of the Dolls (1967, d. Robson))
 Paris is Burning (1990, d. Livingstone)

ENGL 2032 British Romantic Literature, 1780–1830

8 credit points. Dr Christie. **Session:** 1. **Classes:** One 1hr lecture and one 2hr seminar. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** class assignment, 2hr exam, 2500wd essay.

The Romantic period in Britain was a time of extraordinary upheaval and rapid change in all areas of individual and communal life. This unit introduces the literature of that period in

relation both to the political revolutions in America and France and to the intellectual, social, and cultural revolutions taking place inside Britain itself. Central to our discussion will be the expansion and changing nature of the reading public and the challenge to poetry offered by the empirical sciences and utilitarian social thought.

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 and writers popular at the time, as well as at some polemical writers and periodical essayists.

Finally, through the fiction of Scott Fitzgerald and the poetry of Tennyson in the mid nineteenth century and of Dylan Thomas in the mid twentieth, we will consider the literary influence of Romanticism and some of its social consequences.

Textbooks

Romanticism: An Anthology, with CD Rom, ed. Wu and Miall (Blackwell)

Godwin, Caleb Williams (World's Classics)

Scott, Waverley (World's Classics)

Scott Fitzgerald, The Great Gatsby (Penguin Modern Classics)

ENGL 2046 Romantic Fictions

8 credit points. Associate Professor Geraldine Barnes (Coordinator), Associate Professor Fulton, Associate Professor Gay, Associate Professor Miller, Dr Semler, Dr Speed. **Session:** 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisite:** 12 junior credit points of English excluding ENGL 1000. **Assessment:** One 2500 word essay, one 2 hour examination, tutorial presentation (=1500wd).

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, Troilus and Cressida (Oxford Shakespeare, OUP)

J. Gantz, The Mabinogion (Penguin Classics)

Anne Bronte, The Tenant of Wildfell Hall

Erich Segal, Love Story (Coronet)

Kate Grenville, The Idea of Perfection

'Romantic Fictions' reader available from University Copy Centre

ENGL 2047 Texts, Grammar and Meaning

8 credit points. Dr Harbus. **Session:** 1. **Classes:** One 1 hour lecture and one two hour workshop. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Prohibition:** ENGL 2010, LNGS 1005, LNGS 2002, LNGS 2003, ENGL 1005. **Assessment:** Two 1000wd assignments, one 2000wd essay, one 2hr examination, and workshop participation.

This unit introduces students to the varying practical, social, and ideological functions performed by English grammars. These texts which describe and illustrate the rules and conventions of language use are fascinating cultural documents as well as useful reference tools. In this unit, students will explore the historical development of grammars in English and how their contexts of composition have influenced their form and content. Students will also learn how to exploit grammars profitably in practical tasks such as drafting, editing, teaching, and text interpretation. No prior knowledge of grammar is assumed.

Textbooks

A Resource book will be available from the University Copy Centre.

ENGL 2050 Reading Poetry

8 credit points. Dr Spurr (Coordinator) and others. **Session:** 1. **Classes:** Two 1hr lectures and one 1hr tutorial per week. **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One in-class exercise, one 2500wd essay, one 2hr exam.

A wide range of poetry will be read in the course of three four-week modules, which will concentrate respectively on a period (the English Renaissance), a poet (W.B. Yeats) and a close study of the sonnet form. 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 debates about poetry and its function.

Textbooks

The Norton Anthology of Poetry (4th edn)

ENGL 2051 Transatlantic Negotiations 1915–1960

8 credit points. Dr Marks. **Session:** 2. **Classes:** 3 hrs (Lecture and Tutorial). **Prerequisite:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** 3,000 word essay; 1,000 word assignment; 2 hour exam.

This unit uses novels, films and poems as maps for reading the emerging cultural and geopolitical order of things from 1915–1960. It investigates cultural negotiations between Europe and America within an increasingly interactive world. Topics for discussion include the relations between European culture turmoil, the British Empire's decline, and the rise of the new American imperium. The unit examines how literature and film, encompassing Modernist experimentation and texts from popular culture, dealt with this rapidly changing cultural environment.

Textbooks

Wyndham Lewis, Tarr

Gertrude Stein, The Geographical History of America

Jean Rhys, Good Morning, Midnight

Christopher Isherwood, Goodbye to Berlin

Evelyn Waugh, Scoop

A Resource Book, including a selection of poetry, will be provided

Films (These need not be purchased)

Citizen Kane (dir Orson Welles)

Duck Soup (dir Leo McCarey)

The 39 Steps (dir Alfred Hitchcock)

ENGL 2801 English Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 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 2802 English Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 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 2803 English Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 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 2807 English Exchange

4 credit points. **Session:** 1, 2.

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 2808 English Exchange

4 credit points. **Session:** 1, 2.

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 2901 Special Studies in English 1

4 credit points. Dr Gardiner (Coordinator). **Session:** 1. **Classes:** One 1hr lecture and one 1hr tutorial per week (total 18 hours over semester).

Prerequisite: Credit or above in 12 Junior credit points of English excluding ENGL 1000. **Corequisite:** ENGL 2902. **Assessment:** Written work totalling 3000 words.

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

History and theory of literary canons

Why do we regard certain texts as literary, and some among them as canonical? How do we describe and value them in terms of their historical derivation (author, period, nation or region), their verbal constitution (dialect, genre, style), and our readerly circumstance (the curriculum, the publishing industry)? The unit addresses, among other matters, sacred and scientific canons; the canons of Old, Middle, and Modern English literature; the masterpiece and the genius; the library and the university; and cultural literacy and its transmissibility.

Textbooks

Course Reader (available from the Copy Centre)
Olive Schreiner, *The Story of an African Farm*

ENGL 2902 Special Studies in English 2

4 credit points. Dr Gardiner (Coordinator). **Session:** 2. **Classes:** One 1hr lecture and one 1hr tutorial per week (total 18 hours over semester).

Prerequisite: Credit or above in 12 Junior credit points of English excluding ENGL 1000. **Corequisite:** ENGL 2901. **Assessment:** Written work totalling 3000 words.

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

History and Practice of the English Language

How has English developed from a local language spoken by a small immigrant community in fifth-century Britain to a global language shared by so many communities and nations now? How have speakers and writers reflected, exploited, and compelled its development? How distinct are the major historical forms of English – Old English, Middle English, and Modern English? The unit addresses, among other matters, the oral, the literate, and the literary; dialects, sociolects, and idiolects; 'standard,' 'correct,' and 'proper' English; and the history of language studies and language teaching.

Textbooks

Resource Book (available from the Copy Centre)
Shakespeare, *Love's Labours Lost*

ENGL 3910 Research and Editing: Theory & Practice

4 credit points. Dr Gardiner (Coordinator). **Session:** 1. **Classes:** One 1hr lecture and one 1hr tutorial per week (total 18 hours over semester).

Prerequisite: Credit or above in 24 Senior credit points of English which include ENGL 2901 and ENGL 2902. **Corequisite:** ENGL 3920.

Assessment: Written work totalling 3000 words.

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 protocols govern scholarly research and writing about language and literature? The unit addresses, among other matters, the spoken word, manuscripts, and printed books; palaeography; transcribing, editing, and annotating texts; the use of libraries and electronic archives; adding evidence, and quoting and citing sources.

Textbooks

Resource Book (available from the Copy Centre)
textbook to be advised

ENGL 3911 Studies in Medieval Languages A

4 credit points. Associate Professor Barnes (Coordinator). **Session:** 1. **Classes:** One 1.5 seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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 one of the medieval languages of north-western Europe (Old English, Old Icelandic, Middle English). The actual languages taught in 2004 will depend on student demand and staff availability. Students intending to take this unit are advised to contact the coordinator (geraldine.barnes@english.usyd.edu.au) to discuss their choice of language before enrolment and to confirm their choice upon enrolling.

ENGL 3912 Medieval and Renaissance Studies A

4 credit points. Associate Professor Barnes (Coordinator). **Session:** 1. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2004 the unit offered will be: 'The Literature of Troy'.

For the Middle Ages, the ancient city of Troy was both noble fount of chivalry and doomed site of desire, betrayal, and tragedy. According to medieval legend, the Trojan heroes who survived the city's destruction at the end of the Trojan War founded Rome and Britain. This unit of study explores the legend of Troy in medieval and renaissance literature, with a particular focus on the

love affair between the Trojan prince, Troilus, and Cressida.

Texts to be read include the Trojan tales from Gower's *Confessio Amantis* ('The Lover's Confession'), Chaucer's great love poem *Troilus and Criseyde*, Henryson's sequel to this, *The Testament of Cresseid*, and Shakespeare's *Troilus and Cressida*.

Textbooks

H. MacDiarmid (ed.), Robert Henryson: *The Testament of Cresseid and Other Poems* (Penguin, 1973)

Shakespeare, *Troilus and Cressida* (Oxford Shakespeare, OUP)

Larry D. Benson, Gen.Ed., *The Riverside Chaucer* (OUP, 1988)

Resource Book containing Gower Materials

ENGL 3913 Seventeenth and Eighteenth Centuries A

4 credit points. Associate Professor Coleman (Coordinator). **Session:** 1. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2004 the unit offered will be: *The Early Romantics*.

The roots of the Romantic period are now seen to be deep in the 17th and 18th centuries, especially with the re-discovery of the many women writers of the earlier period. This unit of study looks at some of the authors considered to be important for the sensibility of Romanticism, beginning with Milton and moving through Thomson, Akenside, Gray, Cowper, Collins, Goldsmith, Barbauld, Smith and Williams. Our focus will be wide-ranging, from domestic life to the sublime, from satire to sentiment. The unit will also consider the major genres of poetry and prose.

Textbooks

British Literature 1640–1789: An Anthology ed. Robert De Maria, Jr. 2nd edn (Blackwell, 2001).

ENGL 3914 The Long Nineteenth Century A

4 credit points. Professor Harris (Coordinator). **Session:** 1. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2004 the unit offered will be: *Special study of George Eliot*.

A study of the career of a major English novelist, focusing on three of her novels in the context of the literary scene of the mid-nineteenth century. Topics to be addressed will include her work as a journalist and translator before she published fiction; authority and signature; material conditions of production.

Textbooks

George Eliot, *Selected Essays, Poems and Other Writings*, ed. A.S. Byatt and Nicholas Warren (Penguin)

George Eliot, *The Mill on the Floss* (Everyman)

George Eliot, *Scenes of Clerical Life* (Penguin)

George Eliot, *Daniel Deronda* (Everyman)

ENGL 3915 Rhetoric and Discourse A

4 credit points. Dr Harbus (Coordinator). **Session:** 1. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** 1000wd assignment; one 2000wd essay.

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

In 2004 the unit offered will be: *Metaphor*

This unit of study traces the role of metaphor in literary theory and practice with a particular emphasis on the distinction between cognitive and linguistic metaphors (ie, figures of thought and figures of speech). After reviewing a range of current and earlier theoretical models of metaphor, students will examine how metaphors work at the level of linguistic choice in a variety of literary discourses in English and how they become conventionalised through use. This option will explore the range of literary, rhetorical and practical functions metaphor might serve and also consider how metaphors help us as readers to make sense of both narrative and more broadly our experience in the world.

Textbooks

A Resource Book will be available from the University Copy Centre.

ENGL 3916 Further Studies in Medieval Languages A

4 credit points. Associate Professor Barnes (Coordinator). **Session:** 1. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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 2004 will depend on student demand and staff availability.

ENGL 3920 Theory of Literature: Medieval to Modern
4 credit points. Dr Gardiner (Coordinator). **Session:** 2. **Classes:** One 1hr lecture and one 1hr tutorial per week (18 hours over semester). **Prerequisite:** Credit or above in 24 Senior credit points of English which include ENGL 2901 and ENGL 2902. **Corequisite:** ENGL 3910.

Assessment: Written work totalling 3000 words.

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

What prompts criticism? How have literary texts, along with their writers, readers, and critics, been described since Homer first dominated the Greek curriculum two and a half thousand years ago? How have texts solicited, accepted, and contested such critical regard? The unit addresses European traditions of criticism from classical to contemporary times, specifically those in linguistics, poetics, aesthetics, hermeneutics, literary history, and those concerning the psychological, cultural, and political ramifications of literary work. Current critical controversies, and the relationship between contemporaneous literary and critical work, will be of special interest.

Textbooks

The Norton Anthology of Theory and Criticism (ed. Leitch)

ENGL 3921 Studies in Medieval Languages B

4 credit points. Professor Clunies Ross (Coordinator). **Session:** 2. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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 issues raised in elementary study of the languages will be pursued here in greater detail. The actual languages taught in 2004 will depend on student demand and staff availability.

ENGL 3922 Medieval and Renaissance Studies B

4 credit points. Dr Semler (Coordinator). **Session:** 2. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2004 the unit offered will be: Virtual Shakespeare

The English Renaissance still exists, but it is a 'virtual Renaissance' invisibly influencing us and influenced by us. This unit of study examines key texts of the English Renaissance (including More's Utopia, Wyatt's poems and Hamlet) in terms of their original cultural context and their virtual presence in our day. Electronic databases, theoretical paradigms, recent versions of Hamlet, and Huxley's Brave New World will assist the exploration of our re-construction of an era that did so much to construct us.

Textbooks

M. H. Abrams, Norton Anthology of English Literature, Seventh Edition, Volume 1.

Aldous Huxley, Brave New World.

Thomas More, Utopia.

William Shakespeare, Hamlet.

ENGL 3923 Seventeenth and Eighteenth Centuries B

4 credit points. Associate Professor Gay (Coordinator). **Session:** 2. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2004 the unit offered will be: Restoration and Eighteenth Century Drama.

This unit explores the multiple forms of popular drama from the mid-17th century re-opening of the theatres to the end of the 18th century. Highlights include the radical rewritings of Shakespeare's plays, the bawdy comedy of the Restoration, and the emergence of women playwrights.

Textbooks

Restoration and Eighteenth Century Comedy (ed. S. McMillin, Norton)

Shakespeare Made Fit (ed. S. Clark, Everyman)

ENGL 3924 The Long Nineteenth Century B

4 credit points. Dr Kelly (Coordinator). **Session:** 2. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

American Romance

'Romance' refers both to a passion and to a mode of writing, and this course will focus upon the passionate American, woman and man, and the forms in which this figure appears in the

literature of the second half of the 19th century. We will explore the Gothic and Romantic heritage of American writing and the ways in which it responded to the pressures of realism and modernization; the political and social turbulence of the period and how this was reflected in its literary productions; and the imaginative range of the American literary consciousness from the sublime to the squalid, from the transcendental to the real.

Textbooks

Irving (selected tales)

Poe (selected tales)

Hawthorne, The Scarlet Letter

Whitman, Leaves of Grass (complete 1855 edition)

Dickinson (selected poetry)

Thoreau, Walden

Crane, The Red Badge of Courage

James, Washington Square

Chopin, The Awakening

Dreiser, Sister Carrie

ENGL 3925 Rhetoric and Discourse B

4 credit points. Professor Clunies Ross. **Session:** 2. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2004 the unit offered will be: English Studies: A Rhetorical History

This unit is about how English became an academic discipline and the forces that shaped it from the origins of English Studies in the sixteenth century to the shape of the subject in universities today. The focus will be mainly on English Studies in the English-speaking world (especially Britain, America, Australia), but some attention will also be given to other countries, such as Germany, that played a part in the shaping of the discipline. We will look at the reasons why people began to study the English language and its literature, why it took off rather slowly, how it competed with other subjects like Classics for a place in the academic curriculum, and how various theoretical approaches along the way shaped what it is (and was) that students study and scholars research.

ENGL 3926 Further Studies in Medieval Languages B

4 credit points. Professor Clunies Ross (Coordinator). **Session:** 2. **Classes:** One 1.5hr seminar per week. **Prerequisite:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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 2004 will depend on student demand and staff availability.

ENGL 4101 English Honours A

12 credit points. Dr Gardiner. **Session:** 1, 2. **Prerequisite:** Credit average in 48 Senior credit points of English, including ENGL 3910, ENGL 3920 and two advanced units. Candidates who were eligible for Honours candidacy according to the Department's earlier guidelines should consult the Honours coordinator. **Assessment:** One 12,000wd thesis, worth one-third of the total mark; and the equivalent of 4,000 words in each of six coursework options, together worth the other two-thirds of the total mark.

Department permission required for enrolment.

As an English Honours candidate you write a thesis of 12,000 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 seminars on scholarly research and writing. Your thesis will be due at the end of the October recess.

You choose six semester-long coursework options, three in the first semester, three 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 six 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 from among the English Department's Advanced units, as each of them will have to be augmented 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.

English Honours units are designed to indulge and inform your passion for the English language and its literatures. Thus they also prepare you for any vocation or profession that requires exceptional skill in reading and listening to closely argued and imaginatively conceived discourses and texts, and writing and speaking about them acutely and persuasively. All these skills are tested more rigorously in Honours units than elsewhere, not least by way of conference paper and supervised thesis.

In 2004 (subject to staff availability and enrolment numbers), an option will be available in each semester in the following areas:

1. Anglo-Saxon, Norse and Celtic Studies
2. Medieval and Renaissance Studies
3. The 17th and 18th centuries
4. The long 19th century
5. The 20th century
6. Rhetoric and discourse

Semester 1

1. *Advanced Anglo-Saxon, Norse and Celtic Studies – 1*

Associate Professor Barnes

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.

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 and Renaissance Studies – 1. Christopher Marlowe and Early Modern Culture*

Associate Professor Miller and Dr Semler

This study of Marlowe's plays and poems gives particular attention to their place in the crises and debates of late sixteenth-century England. It interrogates Marlowe's ambiguous position on the borderland between orthodoxy and heterodoxy (sexual, political and religious). It examines his construction and/or subversion of an Elizabethan 'other' (sodomitical, Jewish, papist, barbarian). It tracks his rewritings of Roman poetry and Medieval drama and his experiments in tragedy and comedy. The option includes comparative texts by Shakespeare and Donne and is conducted in the context of current critical debate on Marlowe.

Texts:

Marlowe, *The Complete Plays*, ed. Mark Thornton (Everyman)

Marlowe, *The Complete Poems*, ed. Mark Thornton (Everyman)

3. *The 17th and 18th centuries – 1 The Seventeenth-Century Journey*

Dr Spurr

The journey, quest or pilgrimage was the principal motif of seventeenth-century literature. What were the sources of the appeal of this concept – philosophically, politically, theologically? How was it adapted to authors' different purposes? What ideas were developed about the journeys' destinations? Reading in poetry and prose will explore these issues.

Texts:

Aphra Behn. *Oroonoko* (Penguin Classics)

John Bunyan. *The Pilgrim's Progress* (Penguin Classics)

Course Reader, including selections from John Donne, John Milton, and Henry Vaughan

4. *The long 19th century – 1. Waterloo to Peterloo*

Dr Christie

This course looks at a selection of texts published during the brief period between two major events in early nineteenth-century British history: the defeat of Napoleon at the Battle of Waterloo in 1815 and the massacre of St Peter's Field in Manchester in 1819, when local militia charged a crowd of some 60,000 meeting to call for a reform of parliament. Discussion will concentrate, like the texts themselves, on such issues as innovation, creativity, authority, and responsibility in literature and in society.

Texts:

Austen, *Persuasion* (Norton)

Byron, *Major Works*, ed. McGann (World's Classics)

Hazlitt, *Selected Writings* (World's Classics)

Peacock, *Nightmare Abbey* (Penguin)

Scott, *Rob Roy* (World's Classics)

Mary Shelley, *Frankenstein [The 1818 Text]* (Norton)

Shelley, *Shelley's Poetry and Prose*, 2nd edition, ed. Reiman and Freisart (Norton)

5. *The Twentieth Century – 1. The Modern Epic*

Dr Murphet

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)

6. *Rhetoric and discourse – 1 The Learned and the Literary*

Dr Gardiner

How do writers absorb, acknowledge, and transform the truth of what they read? The option examines five traditions of discourse.

1. Theories of understanding and knowledge: Davies, Bacon, Greville, Cavendish, and Browne.
2. Biblical hermeneutics and sectarian controversy: Hooker, Dryden, Hobbes, Butler, Swift, and Hume.
3. History and historical fiction: Gibbon, Macaulay, and Norfolk.
4. Evolutionary biology: Darwin, Jefferies, and Victorian poets.
5. Economics and political economy: Smith, Ruskin, Bagehot, and Pound.

Texts:

Francis Bacon, *The Advancement of Learning*.

Charles Darwin. *The Descent of Man*.

Richard Jefferies. *After London*.

Thomas Macaulay, *The History of England*, ed. Trevor-Roper.

Lawrence Norfolk. *In the Shape of a Boar*.

Ezra Pound. *The Cantos* (specifically, *The Fifth Decad*).

All other texts will be provided in class.

Semester 2

1. *Advanced Anglo-Saxon, Norse and Celtic Studies – 2*

Professor Clunies Ross

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.

2. *Medieval and Renaissance Studies – 2 Sir Gawain and the Green Knight*

Associate Professor Barnes, Dr Speed

A close study of this late fourteenth-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.

Text:

Davis, Tolkien, and Gordon (eds) *Sir Gawain and the Green Knight* (OUP) or

Cawley and Anderson (eds) *Pearl, Cleanness, Patience, Sir Gawain and the Green Knight* (Everyman).

3. *The 17th and 18th centuries – 2 Ancients and Moderns, 1688–1714*

Assoc Prof Mitchell

In this course we consider English literature in the period between the Glorious Revolution and the arrival of the Hanoverians, particularly in terms of the vigorous debate between those who venerated the classics and antiquities, and those who resisted that conservatism. It was a debate that involved literature, and transposed into science, politics, trade.

Texts:

Locke, *An Essay on Human Understanding*; Dryden, *Fables Ancient*

and Modern and A Discourse on Satire; Swift, Battle of the Books and

Tale of a Tub; Pope, selections (eg, Translations, imitations, paraphrases); others, accessible on line through EEBO, to be advised.

4. *The long 19th century – 2 Novels of the 1860's*

Professor Harris

Texts:

Wilkie Collins, *The Woman in White*

Elizabeth Gaskell, *Sylvia's Lovers*

Charles Dickens, *Our Mutual Friend*

George Eliot, *Felix Holt the Radical*

5. *The 20th century – 2 Postmodern American poetry and poetics*

Dr Lilley

This option will explore some of the most interesting and innovative poetry of our time and the contexts in which it is produced and read. Topics will include movements and communities; experimentalism and small press publishing; genre and intertextuality; narrative and popular culture; poetics, politics and theory.

Text:

Paul Hoover (ed). *Postmodern American Poetry* (Norton)

6. *Rhetoric and discourse – 2 Rhetoric Reading Theory*

Dr Hardie

This option examines a number of theorists to explore the 'return' to rhetoric. Rhetoric is variously understood as the art of persuasion and as the analysis of the ways in which language may be used figuratively in literary and other texts. Through the work of Paul de Man, Roland Barthes, Eve Sedgwick, and others, we will see how rhetorical theory has influenced such important movements as structuralism, post-structuralism, deconstruction, queer theory, feminist theory, and cultural studies. There will be a Course Reader.

Texts:

Barthes. *Image-Music-Text*.

Bender and Wellbury. *The Ends of Rhetoric*.

Eve Sedgwick. *The Epistemology of the Closet*.

ENGL 4102 **English Honours B**

12 credit points. **Session:** 1, 2. **Corequisite:** ENGL 4101.

See ENGL 4101

ENGL 4103 **English Honours C**

12 credit points. **Session:** 1, 2. **Corequisite:** ENGL 4102.

See ENGL 4101

ENGL 4104 **English Honours D**

12 credit points. **Session:** 1, 2. **Corequisite:** ENGL 4103.

See ENGL 4101

■ European Studies

EUST 2801 **European Studies Exchange**

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

EUST 2802 **European Studies Exchange**

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

EUST 4011 **European Studies Honours A**

12 credit points. **Session:** 1, 2. **Prerequisite:** Permission of Centre for European Studies.

Department permission required for enrolment.

Please see chapter 3 for details.

EUST 4012 **European Studies Honours B**

12 credit points. **Session:** 1, 2. **Corequisite:** EUST 4011.

EUST 4013 **European Studies Honours C**

12 credit points. **Session:** 1, 2. **Corequisite:** EUST 4012.

EUST 4014 **European Studies Honours D**

12 credit points. **Session:** 1, 2. **Corequisite:** EUST 4013.

■ French Studies

FRNC 1101 **French Introductory 1**

6 credit points. Dr Caffarel. **Session:** 1, Summer. **Classes:** 1 lecture, 3 face-to-face tutorials per week, 2 hours autonomous learning online per week. **Prerequisite:** Complete beginners; or less than 2 years of French; or less than 65% in Beginners HSC French. **Assessment:** Class work, assignments, tests, examination.

This unit of study is an intensive second language learning program for beginners, which requires students' active participation and a minimum of six hours home study per week. The course is based both on communicative methodology and a functional approach to language. Through using the French language in a range of contexts, students will develop spoken communication (speaking, listening) and to a lesser extent written communication (reading, writing) skills in order to exchange information and services, ideas and opinions and express feelings and emotions. Through the use of language in various communicative activities, such as role playing, the student will begin to build up a knowledge of vocabulary, idioms and structures, to develop an understanding of the function of language and of the relationship between language, society and culture. The syllabus involves the use of a text book, audio and video tapes, as well as online language learning programs designed to develop grammatical, communicative and critical skills.

FRNC 1102 Introductory French 2 is the standard progression.

Textbooks

To be announced.

FRNC 1102 **French Introductory 2**

6 credit points. Dr Caffarel. **Session:** 2. **Classes:** 1 lecture, 3 face-to-face tutorials per week, 2 hours autonomous learning online per week.

Prerequisite: FRNC 1101 or equivalent. **Assessment:** Class work, assignments, tests, examination.

FRNC 1102 Introductory French 2 is the continuation of FRNC 1101 Introductory French 1. It aims at strengthening students' oral communication skills and at developing further their written skills (reading and writing). Having completed FRNC 1102 Introductory French 2, students in their second year will normally enter FRNC 2103 French Language 3.

Textbooks

To be announced.

FRNC 1201 **French Intermediate 1**

6 credit points. Dr Mesana. **Session:** 1. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisite:** Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent. **Assessment:** Class work, assignments, oral and written tests.

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

To be announced.

FRNC 1202 **French Intermediate 2**

6 credit points. Dr Mesana. **Session:** 2. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisite:** FRNC 1201 or equivalent. **Assessment:** Class work, assignments, oral and written tests.

This unit of study is the continuation of FRNC 1201 Intermediate French 1. It continues to develop speaking, listening, writing and reading skills, while providing further insights into contemporary French culture. Having completed FRNC 1202 Intermediate French 2, students in their second year will usually enter FRNC 2103 French Language 3.

Textbooks

To be announced

FRNC 1301 **French Advanced 1**

6 credit points. Dr Grauby. **Session:** 1. **Classes:** 2 lectures, 3 tutorials per week. **Prerequisite:** HSC French Continuers & Extension or more than 80% in Continuers French. **Assessment:** Class work, assignments, tests, examination.

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.

1. Practical Language

Classes: 1 lecture, 2 tutorials per week.

Assessment: class work, assignments, tests, examination.

This segment uses a communicative approach to language learning. Students' active participation through team work, role playing and other interactive techniques is an essential aspect of all classes.

Textbook: to be announced.

2. Reading

Texts and Society: *La France et ses identités*.

Classes: 1 lecture, 1 tutorial per week.

Assessment: class work, written and practical assignments.

This segment provides a socio-historical and cultural framework for students' studies within the Department and develops reading, analytical and critical skills through the close study of a variety of contemporary, authentic texts. The segment presents an overview of the social transformations France has undergone in the twentieth century and the political challenges it confronts as it attempts to redefine its role in the world and in Europe.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC 1302 French Advanced 2

6 credit points. To be announced. **Session:** 2. **Classes:** 2 lectures, 3 tutorials per week. **Prerequisite:** FRNC 1301 or equivalent.

Assessment: Class work, assignments, tests, examination.

This unit of study is the continuation of the first semester unit FRNC 1301. 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.

1. Practical Language

Classes: 1 lecture, 2 tutorials per week. Assessment: class work, assignments, tests, examination.

This segment continues to use a communicative approach to language learning. Students' active participation through team work, role playing and other interactive techniques is an essential aspect of all classes.

Textbook: to be announced.

2. Reading. Texts and Society: *La France et ses identités*.

Classes: 1 lecture, 1 tutorial per week.

Assessment: class work, a variety of written and practical exercises.

This segment continues the study begun in FRNC 1301 of national and cultural identity in the 20th century, and the development of reading, analytical and critical skills, but with greater emphasis on literary texts. It includes the study of a modern novel and a section on the theatre.

Textbooks

To be announced.

FRNC 1501 French Short Reading Course

6 credit points. Mr Walkley. **Session:** 2. **Classes:** 3 hours per week. **Prohibition:** FRNC 1101, FRNC 1102, FRNC 1201, FRNC 1202, FRNC 1301, FRNC 1302. **Assessment:** Class work, assignments, tests.

This unit of study is designed for students who wish to acquire a reading knowledge of French. There will be one weekly grammar class and two weekly reading tutorials. At first, the classes will concentrate on general reading skills. Then a variety of mainly modern French texts will be read, graded to suit the evolving skills of the student.

Textbooks

Edward M. Stack, *Reading French in the Arts and Sciences*, Houghton Mifflin.

FRNC 1701 Modern French Civilisation 1

3 credit points. Dr Rechniewski. **Session:** 2a. **Classes:** 1 lecture, 2 tutorials per week, first six weeks of semester. **Assessment:** Class paper, take home essay.

This unit of study provides a historical context for the study of contemporary French society, culture, political institutions and ideologies. It traces a number of historical developments (the process of nation building in particular) while concentrating on the period leading up to the Revolution of 1789 and the Revolution itself. Texts and other materials from a wide variety of sources are used to illustrate the content of the unit. Lectures and tutorials are in English but French vocabulary development is seen as part of the unit.

Textbooks

Roger Price. *A Concise History of France*.

FRNC 1702 Modern French Civilisation 2

3 credit points. Dr Rechniewski. **Session:** 2b. **Classes:** 1 lecture, 2 tutorials per week, last six weeks of semester. **Assessment:** Class paper, take home essay.

This unit of study is the continuation of FRNC 1701 Modern French Civilisation 1 but can be taken separately. It addresses the evolution of French social, political and cultural life in the nineteenth and twentieth centuries. Texts and other materials from a wide variety of sources are used to illustrate the content of the unit. Lectures and tutorials are in English, but some French vocabulary work is seen as part of the course.

Textbooks

Roger Price. *A Concise History of France*.

FRNC 1801 French Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 1802 French Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2103 French Language 3

4 credit points. Dr Cowley. **Session:** 1. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisite:** FRNC 1102 or FRNC 1202 or equivalent.

Assessment: class work, assignments, tests.

This unit of study follows on from FRNC 1102 Introductory French 2, and from FRNC 1202 Intermediate French 2.

The course is based on a communicative approach and concentrates on interactive exercises and activities to consolidate speaking, listening, writing and reading skills, reinforce understanding of grammar, extend vocabulary and improve confidence in communication. This unit of study is normally taken by specialist students in conjunction with FRNC 2501 French Reading 1 and FRNC 2113.

Textbooks

Grammar text to be advised.

Collins-Robert French Dictionaries.

FRNC 2104 French Language 4

4 credit points. Dr Cowley. **Session:** 2. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisite:** FRNC 2103 or equivalent. **Assessment:** Class work, class presentations, assignments, tests.

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 2502 French Reading 2. Having completed FRNC 2104 French Language 4, students in their third year will enter FRNC 3105 French Language 5.

Textbooks

As for FRNC 2103 French Language 3.

Collins-Robert French Dictionaries.

FRNC 2113 Active Language Skills in Context

8 credit points. Dr Mesana. **Session:** 1. **Classes:** 3 tutorials per week.

Prerequisite: FRNC 1102 or 1202 or equivalent. **Corequisite:** FRNC 2103. **Assessment:** Class work, assignments, oral presentation, oral and written tests.

This unit of study focuses on developing creative fluency and spontaneity in oral and written skills. These are developed through the use of video sketches, role plays, language and problem-solving activities. Reading skills are also developed through the study of a contemporary novel, focussing on style and narrative techniques. The novel provides further insights into contemporary French culture and will lead to simple discussions on French cultural issues.

This course is designed for 2nd yr beginner/ intermediate students. Not to be taken by third year students (FRNC 3105) except with permission of the department.

Textbooks

GIESBERT, Franz-Oliver, *L'Affreux*, Paris, Editions Grasset, 1992.

FRNC 2303 Advanced French Language 3

4 credit points. Dr Winter. **Session:** 1. **Classes:** 2 classes per week.

Prerequisite: FRNC 1302 or equivalent. **Assessment:** Class work, tests, assignments.

The unit will provide a review of formal grammar, while at the same time placing considerable stress on the development of students' communicative skills, via a number of functionally-

oriented language activities. It will be based on a variety of documents, including video materials, that deal with topics of current interest. This unit of study is normally taken by specialist students in conjunction with one of the Options.

Textbooks

J. Ollivier. Grammaire Française (Harcourt Brace Jovanovich)
Duplicated material to be purchased from the University Copy Centre.

FRNC 2304 Advanced French Language 4

4 credit points. Dr Winter. **Session:** 2. **Classes:** 2 classes per week. **Prerequisite:** FRNC 2303 or equivalent. **Assessment:** Class work, tests, assignments, examination.

This unit is a continuation of FRNC 2303. It will normally be taken by specialist students in conjunction with one of the specialist Options. Having completed FRNC 2304 Advanced French Language 4, students in their third year will enter FRNC 3305 Advanced French Language 5.

Textbooks

As for FRNC 2303 Advanced French Language 3.

FRNC 2401 French Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2402 French Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2403 French Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2404 French Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2407 French Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2408 French Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

For students studying overseas. Department permission required for enrolment.

FRNC 2501 French Reading 1

4 credit points. Dr Rechniewski. **Session:** 1. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisite:** FRNC 1102 or FRNC 1202. In consultation with the coordinator, certain students having completed FRNC 1201 will be permitted to take this course. **Assessment:** Class work, written and practical assignments.

Texts and Society: La France et ses identités.

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 redefine its role in the world and in Europe.

This unit of study is normally taken by specialist students in conjunction with FRNC 2103 French Language 3.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC 2502 French Reading 2

4 credit points. Dr Rechniewski. **Session:** 2. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisite:** FRNC 2501 or equivalent. **Assessment:** Class work, written and practical assignments.

Texts and Society: La France et ses identités. This unit of study continues the study of national and cultural identity in the 20th century, and the development of reading, analytical and critical skills, but with greater emphasis on literary texts. It includes the study of a modern novel and a section on the theatre. This unit of study is normally taken by specialist students in conjunction with FRNC 2104 French Language 4.

Textbooks

To be announced.

FRNC 2602 Introduction to Linguistics

4 credit points. Dr Caffarel. **Session:** 1. **Classes:** 2 classes per week.

Prerequisite: FRNC 1302 or FRNC 2502 or equivalent. **Assessment:** Class work, assignments.

This unit is a general introduction to linguistics and in particular functional linguistics. It explores language as a system of choices for making meaning in various contexts and aims at providing the students with an understanding of what we do when we use language, and grammar, in particular.

Textbooks

Duplicated material to be purchased from the University Copy Centre.

FRNC 2701 Revolution and Social Thought

4 credit points. Dr Rechniewski & Dr Winter. **Session:** 1. **Classes:** 2 classes per week. **Prerequisite:** FRNC 1302 or FRNC 2502 or equivalent. **Assessment:** Class paper, essay.

This unit of study examines the development of theories about society in the context of the social and political changes that took place in France from the 18th century onwards. In particular, it explores the reactions to the 'failure' of the French Revolution of 1789 and traces the confrontations during the 19th and 20th centuries between pro- and anti-republican camps, social classes, and pro- and anti-colonial forces. FRNC 2701 is primarily designed for students from the second year advanced and third year beginner/intermediate streams. Continuing students will normally take FRNC 2702 in second semester.

Textbooks

L.Jaume (ed), Les Déclarations des droits de l'homme, Flammarion, 1989.

A dossier of texts to be purchased from the University Copy Centre.

FRNC 2702 The Second French Revolution

4 credit points. Dr Winter & Dr Rechniewski. **Session:** 2. **Classes:** 2 classes per week. **Prerequisite:** FRNC 1302 or FRNC 2502 or equivalent. **Assessment:** Class paper, essay.

Since the Second World War, French society has undergone unprecedented change. This unit of study examines the nature of these changes, drawing on the work of contemporary theorists including Pierre Bourdieu, and explores their impact on the individuals and groups caught up in them (workers, migrants, women). Current debates and contemporary events are analysed in the context of recent history. FRNC 2702 is primarily designed for students from 2nd year advanced and 3rd year beginner/intermediate stream.

Textbooks

A dossier of texts to be purchased from the University Copy Centre.

FRNC 2802 French Narrative Cinema

4 credit points. Dr Mesana & Dr Royer. **Session:** 1. **Classes:** 2 hours per week. **Prerequisite:** FRNC 1302 or FRNC 2502. **Assessment:** Class work, assignment, test.

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. In order to do this we will look at the history of French cinema and will analyse selected films. 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

To be announced.

FRNC 3105 French Language 5

4 credit points. Dr Mesana. **Session:** 1. **Classes:** 2 tutorials per week.

Prerequisite: FRNC 2104 or equivalent. **Assessment:** Class work, assignments, oral and written tests.

This unit of study follows on from FRNC 2104 French Language 4. 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

J. Ollivier. Grammaire française (Harcourt Brace Jovanovich)

Course booklet to be purchased from the University Copy Centre.

FRNC 3106 French Language 6

4 credit points. Dr Mesana. **Session:** 2. **Classes:** 2 tutorials per week. **Prerequisite:** FRNC 3105 or equivalent. **Assessment:** Class work, assignments, oral presentation, oral and written tests.

This unit is a continuation of FRNC 3105. It is normally taken by specialist students in conjunction with one of the options. 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

As for FRNC 3105 French Language 5.

FRNC 3305 Advanced French Language 5

4 credit points. Dr Royer. **Session:** 1. **Classes:** 2 classes per week. **Prerequisite:** FRNC 2304 or equivalent. **Assessment:** Class work, assignments, tests.

This unit will prepare students for the DALF examination. Particular emphasis will be placed on oral and written communicative skills. The course will be based on a variety of documents, including video materials, that deal with contemporary issues. This unit of study is normally taken by specialist students in conjunction with one of the options.

Textbooks

To be announced.

FRNC 3306 Advanced French Language 6

4 credit points. Dr Cowley. **Session:** 2. **Classes:** 2 classes per week. **Prerequisite:** FRNC 3305 or equivalent. **Assessment:** Class work, assignments, tests.

This unit is a continuation of FRNC 3305. It is normally taken by specialist students in conjunction with one of the options. Final undergraduate training in advanced language skills, prior to graduation.

Textbooks

To be announced.

FRNC 3401 French In-Country Study 1

4 credit points. Dr Rechniewski. **Session:** 1. **Prerequisite:** Permission of Department of French Studies.

Department permission required for enrolment.

For students studying overseas.

FRNC 3402 French In-Country Study 2

4 credit points. Dr Rechniewski. **Session:** 2. **Prerequisite:** Permission of Department of French Studies.

Department permission required for enrolment.

For students studying overseas.

FRNC 3403 French In-Country Study 3

4 credit points. Dr Rechniewski. **Session:** 1. **Prerequisite:** Permission of Department of French Studies.

Department permission required for enrolment.

For students studying overseas.

FRNC 3404 French In-Country Study 4

4 credit points. Dr Rechniewski. **Session:** 2. **Prerequisite:** Permission of Department of French Studies.

Department permission required for enrolment.

For students studying overseas.

FRNC 3405 French In-Country Study 5

4 credit points. **Session:** 1. **Prerequisite:** Permission of Department of French Studies.

Department permission required for enrolment.

For students studying overseas.

FRNC 3406 French In-Country Study 6

4 credit points. **Session:** 2. **Prerequisite:** Permission of Department of French Studies.

Department permission required for enrolment.

For students studying overseas.

FRNC 3603 Textual Linguistics

4 credit points. Dr Caffarel. **Session:** 2. **Classes:** 2 classes per week. **Prerequisite:** FRNC 1302 or FRNC 2502. **Assessment:** Class work, assignments.

This unit of study focuses on the French linguistic system in more detail and explores how semantic and lexico-grammatical resources are deployed to create meaning in various text types. This unit provides the student with linguistic tools for the analysis and the interpretation of French texts in relation to their context.

Textbooks

Duplicated material will be available from the department.

FRNC 3703 Intellectual Movements Since 1945

4 credit points. Dr Rechniewski. **Session:** 1. **Classes:** 2 classes per week. **Prerequisite:** FRNC 1302 or FRNC 2502 or equivalent.

Assessment: Class paper, essay.

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 more advanced students.

Textbooks

Sartre. *L'Existentialisme est un humanisme.*

Course booklet to be purchased from the University Copy Centre.

FRNC 3712 Quebec

4 credit points. Mr Walkley. **Session:** 2. **Classes:** 2 classes per week.

Prerequisite: FRNC 1302 or FRNC 2502. **Prohibition:** FRNC 2712.

Assessment: Essays and class participation.

This unit of study offers an introduction to Francophone literature and culture in Quebec. It aims to provide students with an adequate social and historical background of Quebec to facilitate reading of French language literary texts produced in Quebec in the 19th and 20th century.

Textbooks

L. Hémon. *Maria Chapedelaine (Livre de poche).*

FRNC 3810 French Translation

4 credit points. Dr Cowley. **Session:** 2. **Classes:** 2 hours per week.

Prerequisite: Credit in FRNC 1302 or FRNC 2502, or equivalent.

Assessment: weekly exercises, assignment.

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).

Textbooks

To be announced.

FRNC 3811 L'Autobiographie et l'autoportrait

4 credit points. Professor Sankey. **Session:** 2. **Classes:** 2 hours per week. **Prerequisite:** Credit in FRNC 1302 or FRNC 2502, or equivalent.

Assessment: A short class presentation (1000 words) and end-of-term essay (2000 words).

What is autobiography and how does it differ from the self-portrait? Students will be introduced to different ways of writing 'self' in French texts from the sixteenth century to the present and invited to dialogue with these texts through discussion and written exercises.

Textbooks

Rousseau, *Les Confessions* (Nathan).

Chateaubriand, *Mémoires d'outre-tombe* (Garnier Flammarion).

Sarraute, *Enfance* (Folio).

FRNC 3906 French Renaissance

4 credit points. Professor Sankey. **Session:** 1. **Classes:** 2 classes per week. **Prerequisite:** Credit in FRNC 1302 or in FRNC 2502.

Assessment: Class work, essay.

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

This Special Entry unit of study is one of those that serve as a prerequisite for admission to Honours. It may also be taken by students with a credit average as an additional unit.

The unit is an introduction to the literature and thought of the French sixteenth century.

Textbooks

Ronsard. *Les Amours* (Garnier-Flammarion).

Rabelais. *Pantagruel* (Garnier-Flammarion).

Montaigne. *Essais* (Pocket-Classiques).

FRNC 3907 French Classicism

4 credit points. Professor Sankey & Dr Winter. **Session:** 2. **Classes:** 2 classes per week. **Prerequisite:** Credit in FRNC 1302 or in FRNC 2502.

Assessment: Class work, essay.

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

This Special Entry unit of study is one of those that serve as a prerequisite for admission to Honours. It may also be taken by students with a credit average as an additional unit.

The unit is an introduction to the literature and thought of the French seventeenth century Classical movement.

Textbooks

Cyrano de Bergerac, *Voyage dans la lune* (Garnier-Flammarion).
 Corneille, *L'Illusion comique*. (Larousse Petits Classiques).
 Racine, *Phèdre*. (Larousse Petits Classiques).
 Pascal, *Pensées* (Poche).

FRNC 4011 French Honours A

12 credit points. To be announced. **Session:** 1, 2. **Classes:** 6 hours per week. **Prerequisite:** 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. Department permission required for enrolment.

The Fourth Year Honours program consists of the following segments:

(a) Practical Language

Dr Grauby. Classes: Semesters 1 and 2. 2 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.

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:*Grammaire Du Texte*

Dr Caffarel. Classes: Semester 1.

This seminar is an introduction to the analysis of literary texts from the stand point of linguistic theory. However, no background in linguistics is required to undertake this course which will be of interest to students specializing in literature, linguistics and/or social sciences.

In this course, we will explore how a theory of language as meaning potential can inform us on literary style. How is style construed through language? What makes the literariness of literature? How is language manipulated by the author to create meanings of a second order – ie, social, ideological, philosophical, etc.0

Re-ecritures

Dr Winter. Classes: Semester 1.

This unit looks at anticolonial and postcolonial rewriting, in French, of literary and theatrical works forming part of the Western English-language canon. The 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 content will be primary foci, as will crosscultural 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.

Textbook

Aimé Césaire, *Une tempête* (inspired by Shakespeare's *The Tempest*)

Maryse Condé, *Moi, Tituba, sorcière* (inspired by the story of the Salem witchhunts)

Medieval French Literature in Translation

Mr Walkley. Classes: Semester 2.

Both Old French and Old Provençal texts in translation will figure as a basis for a survey of the literary production of France from the 12th to the 15th century. Hagiographic, epic, lyric and romance genres will be included, as well as the comic genres, represented by fabliaux, Roman de Renard and farces.

Texts to be advised.

The Evolution of the Nation and Nationalism in France

Dr Rechniewski. Classes: Semester 2.

This unit will adopt a historical, sociological and discursive approach to the study of the development of the nation and national sentiment in France from the Middle Ages to the present. It will pay particular attention to Early Modern France and the Enlightenment, using original research and material assembled in the course of the department's research project: 'Communications and National Identity in Early Modern France' (Dr Rechniewski, Professors Margaret Sankey and Angus Martin). It will also place contemporary debates over nationhood in historical perspective and include study of changing conceptions of citizenship. A variety of sources will be studied including literary and political texts and there will be limited

reference to the use of discourse analysis in analysing source materials.

FRNC 4012 French Honours B

12 credit points. Dr Grauby. **Session:** 1, 2. **Corequisite:** FRNC 4011. Please refer to FRNC 4011.

FRNC 4013 French Honours C

12 credit points. Dr Grauby. **Session:** 1, 2. **Corequisite:** FRNC 4012. Please refer to FRNC 4011.

FRNC 4014 French Honours D

12 credit points. Dr Grauby. **Session:** 1, 2. **Corequisite:** FRNC 4013. Please refer to FRNC 4011.

■ Gender Studies

WMST 1801 Gender Studies Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

WMST 2001 Gender, Media and Popular Culture

8 credit points. Convenors: Professor Elspeth Probyn and Dr Catherine Driscoll. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** 18 Junior credit points. **Assessment:** 1) Mid-term exam 2) Final take-home exam Total written work 5000 words.

This unit of study will introduce students to the study of popular culture, and more particularly to the major feminist analyses 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.

WMST 2002 Thinking Gender

8 credit points. Dr Secomb. **Session:** 2. **Classes:** 3 hours per week.

Prerequisite: WMST 2001. **Assessment:** Three 700 word article summaries, one 3000 word essay.

In this unit of study, recent debates within feminist theory will be introduced. By the end of the unit of study, students will have a clear grounding in the fundamental concepts within feminist social, political and cultural theory. The course is divided into three blocks. First we explore debates about equality and difference, between women and men, and between women themselves in relation to class, race and ethnicity. Second, debates about power and discourse are introduced with a particular focus on how these concepts are conceived within feminist, postmodernist and poststructuralist theory. Finally, in a block on sex, gender and embodiment, we look at the distinction between sex and gender and at recent feminist theories of embodiment which question the sex/gender opposition.

WMST 2007 Bodies, Sexualities, Identities

8 credit points. A/Professor Probyn. **Session:** Summer. **Classes:** 3 hours per week. **Prerequisite:** WMST 2001. **Assessment:** Group work, presentations and essays to a total of 5000 words.

In this unit of study we will examine the ways in which feminist and other cultural theories have used bodies and sexualities in order to theorise difference and identity. If the body and sexuality has been shown to be a major site for the operation of power in our society, we will also look at how bodies and sexualities are central to cultural understandings of identity. The unit of study will be devoted to working through some of the major theories of embodiment, and the analysis of cultural practices. Students will also be encouraged to prepare group projects.

WMST 2009 Cultures of Masculinities

8 credit points. Dr Moller and Mr Evers. **Session:** 1. **Classes:** 2 hr lecture and 1 hr tutorial. **Prerequisite:** 18 junior credit points. **Corequisite:** WMST 2001. **Assessment:** Critical reading assignment (1000 words), group assignment – case study (1500 words), take-home exam (3500 words).

What do men want? From a traditional focus on femininity in gender studies, it is increasingly clear that masculinity has undergone tremendous changes in the last several decades. From a perspective of gender and cultural studies, this unit examines the economic, social and cultural contexts in which masculinity is lived. We will consider different case studies focused on the changing representation of men in contemporary culture. These will include aspects of style and consumption, roles within workplaces, and in domestic practices.

WMST 2010 Intimacy, Love and Friendship

8 credit points. Dr Secomb. **Session:** 1. **Classes:** 2 hr lecture and 1 hr tutorial. **Prerequisite:** 18 junior credit points. **Corequisite:** WMST 2001. **Assessment:** Essay (3000 words), take-home exam (3000 words). This unit examines the representation and practices of intimate relations focusing especially on the intersection between intimacy and the constructions of gender. Divided into three sections, the unit will examine theories of love and friendship, contemporary cultural representations of love, desire and friendship (especially in film and literature), and the ethics and politics of erotics. It will question the division between erotic love and Platonic love, examine the new technologies of erotics, and discuss the implications for gender and sexuality.

WMST 2011 Everyday Cultures

8 credit points. Dr Natalya Lusty. **Session:** 2. **Classes:** 2 hr lecture and 1 hr tutorial. **Prerequisite:** WMST 2001. **Assessment:** Critical/close reading assignment (1000 words), observation task assignment (2000 words), take-home exam (3000 words), participation. What is culture today? How have new definitions of culture in our postindustrial and postcolonial societies challenged traditional hierarchies of cultural value? This unit explores many of the theoretical concepts that have come to define the study of 'culture' and 'cultural practices'. We will investigate early work in cultural studies, and examine a range of contemporary cultural texts and practices, focusing on different subcultures and the idea that culture is something we all do in our everyday lives.

WMST 2012 Youth Cultures: Images & Ideas of Youth

8 credit points. Dr Driscoll. **Session:** 2, Summer. **Classes:** 1 hr lecture, 1 hr tutorial, and 1 hr of on-line learning (via WebCT). **Prerequisite:** 18 junior credit points. **Assessment:** Critical exercise (1000 words), group project (2000 words), and either essay or take-home exam (3000 words). This unit uses changing ideas about youth and practices of youth culture as a focus for an introduction to contemporary cultural theory. It aims to introduce students to some of the current parameters for studying cultural forms, practices and theories by examining current and past forms of youth culture, representations of youth and youth culture, and cultural studies of youth. Points of focus include media images of youth, popular culture marketed to youth, and youth subcultures.

WMST 2801 Gender Studies Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

WMST 2802 Gender Studies Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

WMST 2803 Gender Studies Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

WMST 2807 Gender Studies Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

WMST 2808 Gender Studies Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

WMST 3001 Gender, Race and Australian Identities

8 credit points. Dr Fiona Probyn. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** WMST 2001 and one of WMST 2002 and WMST 2007. **Assessment:** Four 500 word article summaries and critical evaluations; and one 2500 word essay.

In this unit we explore the interconnections between gender and race in Australian culture and history. We focus on particular case studies, some historical, some contemporary: the so-called 'White Australia policy'; women and the Hindmarsh Island affair; Pauline Hanson and One Nation; sex tourism; the 'stolen generations'; citizenship, nationalism and multiculturalism. Throughout the course, the history and present of Australian feminism and its relations with questions of race and ethnicity are foregrounded. A major aim of the course is to introduce students to recent feminist postcolonial theorists.

WMST 3003 Media and Cultural Consumption

8 credit points. Dr Ruth Barcan. **Session:** 2, Summer. **Classes:** 2 hour seminar/week. **Prerequisite:** WMST 2001. **Assessment:** 1) short analytic paper on readings; 2) case study. Total word length of assessments: 5000.

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

This unit focuses on the exciting study of media and consumer cultures. From the theoretical basis of feminist cultural studies,

we will examine the ways in which identities are increasingly formed through consumption. While traditionally consumption and its cultures have been criticised in terms of materialist values, we will be more concerned to look at the different forms of life that are promoted. This will include case studies of globalisation and what has been called 'glocalisation' (or how the global reworks intimate local forms of belonging), and the construction of a global citizen through the rhetorics employed by multinationals such as McDonalds or Benneton. We shall also be concerned with analysing the promotion of an 'ethics of consumption' by other multinationals such as The Body Shop. Students will construct their own case studies as the major project of the unit.

WMST 3090 Transnationalism, Gender & Globalisation

8 credit points. Dr Fiona Probyn. **Session:** 2. **Classes:** One 2 hour seminar per week. **Prerequisite:** WMST 3001. **Assessment:** One 1,500 word short essay and one 2500 word research essay.

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

This unit introduces students to issues and debates within the fields of globalisation theory and transnational feminism. We consider the implications of globalisation theory's buzzwords: cosmopolitanism, diasporic communities, 'glocalisation', translocality and hybridity. Using case studies (film, literature, Internet activist sites), from around the world we also consider the new field of transnational feminism. This exciting field requires us to critically examine how women have been affected (differently and unevenly) by the processes of globalisation. We examine transnational feminism in the context of challenges of nation-state sovereignty, struggles for decolonisation, changes to individual subjectivity and the challenge to build transnational networks which respect cultural difference. We also examine the implications of terrorism, imperialism, tourism, borderless capitalism, Human Rights agendas, transnational religious movements, postcommunist societies, and the limits of western feminism. Throughout the unit we consider cross-cultural reading practices and research methodologies, reflecting a critical and practical engagement with issues covered by the unit.

WMST 4011 Gender Studies Honours A

12 credit points. **Session:** 1, 2. **Classes:** One 2 hour seminar per week. **Prerequisite:** Credit or above in WMST 2001, 2002, 3001, 3090 and a further 16 credit points. WMST 2007 may be substituted for 2002. **Assessment:** An Honours year in Gender Studies consists of the session length core 'Arguing the Point', plus two session-length optional units and a 15,000 word thesis. Written requirements for the core and options are 4000–6000 words each.

Department permission required for enrolment.

Arguing the Point: Research in Gender and Cultural Studies Dr Natalya Lusty

Over the years, gender and cultural studies have legitimated different modes of academic research and writing that were previously seen as suspect within the university. In retrospect, it is clear that objects of study often require interdisciplinary research methods, and mobilise different forms of writing and argument. The first objective of this course is to introduce students to a range of research, writing and argumentation. The second objective is to encourage students to develop their own argumentation skills and research practices. Students who are writing their theses will be encouraged to experiment with different ways of arguing and writing their research. Students who are just starting will have the opportunity to develop their ideas. In reading your texts and those of others, we will explore notions of intellectual generosity in terms of how to most productively engage with the ideas, research and writings of others.

Optional units – refer to Departmental Handbook or contact the SOPHI Office.

WMST 4012 Gender Studies Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** WMST 4011.
Refer to WMST 4011

WMST 4013 Gender Studies Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** WMST 4012.
Refer to WMST 4011

WMST 4014 Gender Studies Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** WMST 4013.
Refer to WMST 4011

■ Germanic Studies

GRMN 1111 Junior Introductory German 1

6 credit points. Coordinator: Dr Bandhauer. **Session:** 1. **Classes:** Four hours per week. **Prohibition:** HSC German Extension, German Continuers, German Beginners 65% or above or equivalent. **Assessment:** Continuous assessment (3 class tests each equivalent to 400 words, 1 class test equivalent to 600 words, 2 assignments each equivalent to 350 words), one 2 hour examination.

Practical language classes based on a communicative approach that aim 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 Germany.

Students intending to major in German are strongly advised to enrol as well in Beginners' Oral / Aural German (GRMN 1133).

Textbooks

Aufderstraße et al, Themen aktuell 1. Kursbuch (Hueber).
Aufderstraße et al, Themen aktuell 1. Workbook. (Hueber).
Introductory German Coursepack (UPS).

GRMN 1122 Junior Introductory German 2

6 credit points. Coordinator: Dr Bandhauer. **Session:** 2, Summer. **Classes:** Four hours per week. **Prerequisite:** GRMN 1111. **Assessment:** Continuous assessment (3 class tests each equivalent to 400 words, 1 class test equivalent to 600 words, 2 assignments each equivalent to 350 words), one 2 hour examination.

Practical language classes based on a communicative approach. These classes will develop and extend the language skills acquired in First Semester.

Textbooks

Aufderstraße et al, Themen aktuell 1. Kursbuch (Hueber).
Aufderstraße et al, Themen aktuell 1. Workbook. (Hueber).
Introductory German Coursepack (UPS).

GRMN 1133 Beginners' Oral/Aural German

6 credit points. Coordinator: Dr Bandhauer. **Session:** 1. **Classes:** 3 hours per week. **Corequisite:** GRMN 1111. **Prohibition:** GRMN 1131, GRMN 1132. **Assessment:** Continuous assessment (3 assignments each equivalent to 500 words, 2 oral assessments each equivalent to 500 words), one 2 hour examination.

Classes on geography, history and society of the German-speaking countries: 1 hour per week. This component aims particularly to develop students' aural skills.

Reading classes: 1 hour per week. This class will be devoted to the reading of graded German texts to develop the students' command of grammar and vocabulary.

Oral/aural classes: 1 hour per week. Here the listening and speaking skills required to cope with everyday life in a German-speaking country will be built up.

This unit of study may only be taken by students simultaneously enrolled in GRMN 1111.

Textbooks

Beginners' Oral / Aural Course Pack (UPS)

GRMN 1211 Junior Intermediate German 1

6 credit points. Coordinator: Dr Borgert. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HSC German Beginners 65% or above or German Continuers below 70% or equivalent. **Assessment:** Continuous assessment (oral assessment equivalent to 500 words, 5 language assignments each equivalent to 300 words, class test equivalent to 500 words), two 1 hour examinations.

Practical language classes, including conversation classes: 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 and provides an introduction to the skills of literary analysis.

Textbooks

Departmental Revision Course (UPS)
Häussermann et al, Sprachkurs Deutsch Bd. 2 (Diesterweg)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 1222 Junior Intermediate German 2

6 credit points. Coordinator: Dr Borgert. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** GRMN 1211. **Assessment:** Continuous assessment, (oral assessment equivalent to 500 words, 5 language assignments each equivalent to 300 words, class test equivalent to 500 words), two 1 hour examinations.

Practical language classes, including conversation classes: 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 and provides an introduction to the skills of literary analysis.

Textbooks

Häussermann et al, Sprachkurs Deutsch Bd. 2 (Diesterweg)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 1311 Junior Advanced German 1

6 credit points. Coordinator: Dr Borgert. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HSC German Extension or German Continuers 70% or above or equivalent. **Assessment:** Continuous assessment, (oral assessment equivalent to 500 words, 5 language assignments each equivalent to 300 words, class test equivalent to 500 words), two 1 hour examinations.

Practical language classes, including conversation classes: 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.

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

Language text (to be advised)
Moulden, Ten German Language Short Stories (UPS)
Film study: Good Bye Lenin

GRMN 1322 Junior Advanced German 2

6 credit points. Coordinator: Dr Borgert. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** GRMN 1311. **Assessment:** Continuous assessment (oral assessment equivalent to 500 words, 5 language assignments each equivalent to 300 words, class test equivalent to 500 words), two 1 hour examinations.

Practical language classes, including conversation classes: 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

Language Text (to be advised)
German Poetry Course Pack (UPS)
Dürrenmatt, Der Besuch de alten Dame (Diogenes detebe 23045)

GRMN 1501 Reading German for Special Purposes

6 credit points. Co ordinator: Dr Bandhauer. **Session:** 1. **Classes:** 3 hours per week. **Prohibition:** GRMN 1131, GRMN 1311, GRMN 1322. **Assessment:** Continuous assessment (5 language assignments each equivalent to 500 words), one 2 hour examination.

Aims to bring people with no prior knowledge of German to the point where they will, after one semester, be able to extract information from German texts without excessive recourse to a dictionary. The teaching will be done both 'top down' (working from the outset with fully authentic texts) and 'bottom up' (working with texts specially graded from easy to difficult).

Textbooks

Crossgrove et al, Graded German Reader 3rd edn. (Heath)
Rogalla et al, German for Academic Purposes (Langenscheidt)

GRMN 2211 Senior Intermediate German 1

8 credit points. Coordinator: Associate Professor Clifton-Everest. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** GRMN 1122. **Assessment:** Continuous assessment (oral assessment equivalent to 400 words, 4 assignments each equivalent to 400 words, 2 class tests each equivalent to 750 words), one 1 hour and one 1.5 hour examination.

Designed to consolidate and extend the basic German knowledge gained in Junior Introductory German 1 and 2. Language classes will practise both written and oral / aural skills, and these will be complemented by text study classes to enhance the student's reading skills and ability to analyse literary texts.

Textbooks

Aufderstraße et al, Themen neu 2. Kursbuch (Hueber)
Aufderstraße et al, Themen neu 2. Arbeitsbuch (Hueber)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 2222 Senior Intermediate German 2

8 credit points. Coordinator: Associate Professor Clifton-Everest. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** GRMN 2211. **Assessment:** Continuous assessment (oral assessment equivalent to 400 words, 4 assignments each equivalent to 400 words, 2 class tests each equivalent to 750 words), one 1 hour and one 1.5 hour examination.

Designed to consolidate and extend the German knowledge gained in Senior Intermediate German 1. Language classes will practise both written and oral / aural skills, and these will be complemented by text study classes to enhance the student's reading skills and ability to analyse literary texts.

Textbooks

Aufderstraße et al, Themen neu 2. Kursbuch (Hueber)
Aufderstraße et al, Themen neu 2. Arbeitsbuch (Hueber)
Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 2311 Senior Advanced German Language 1

4 credit points. Coordinator: Associate Professor Clifton-Everest.
Session: 1. **Classes:** 2 hours per week. **Prerequisite:** Either GRMN 1222 or GRMN 2222. **Assessment:** Continuous assessment (5 assignments each equivalent to 400 words), one 1 hour examination.
Designed to consolidate and extend the student's command of the German language by practising both written and oral / aural 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 2322 Senior Advanced German Language 2

4 credit points. Coordinator: Associate Professor Clifton-Everest.
Session: 2. **Classes:** 2 hours per week. **Prerequisite:** GRMN 2311.
Assessment: Continuous assessment (5 assignments each equivalent to 400 words), one 1 hour examination.

Designed to consolidate and extend the student's command of the German language by practising both written and oral / aural 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 2331 Senior Advanced German Language 3

4 credit points. Coordinator: Associate Professor Clifton-Everest.
Session: 1. **Classes:** 2 hours per week. **Prerequisite:** Either GRMN 1322 or GRMN 2222 or GRMN 2322. **Assessment:** Continuous assessment (5 assignments each equivalent to 400 words), one 1 hour examination.

Designed to consolidate and extend the student's command of the German language by practising both written and oral / aural skills at a level higher than the level already completed.

Textbooks

Moulden, Simalabim! (UPS)

GRMN 2342 Senior Advanced German Language 4

4 credit points. Coordinator: Associate Professor Clifton-Everest.
Session: 2. **Classes:** 2 hours per week. **Prerequisite:** GRMN 2331.
Assessment: Continuous assessment (5 assignments each equivalent to 400 words), one 1 hour examination.

Designed to consolidate and extend the student's command of the German language by practising both written and oral / aural skills at a level higher than the level already completed.

Textbooks

Moulden, Simalabim! (UPS)

GRMN 2351 Senior Advanced German Language 5

4 credit points. Coordinator: Associate Professor Clifton-Everest.
Session: 1. **Classes:** 2 hours per week. **Prerequisite:** GRMN 2322 or GRMN 2342 or GRMN 2750. **Assessment:** Continuous assessment (5 assignments each equivalent to 400 words), one 1 hour examination.

Designed to consolidate and extend the student's command of the German language by practising both written and oral / aural skills at a level higher than the level already completed.

Textbooks

SAGL 5 Course Pack (UPS)

GRMN 2362 Senior Advanced German Language 6

4 credit points. Coordinator: Associate Professor Clifton-Everest.
Session: 2. **Classes:** 2 hours per week. **Prerequisite:** GRMN 2351.
Assessment: Continuous assessment (5 assignments each equivalent to 400 words), one 1 hour examination.

Designed to consolidate and extend the student's command of the German language by practising both written and oral / aural skills at a level higher than the level already completed.

Textbooks

SAGL 6 Course Pack (UPS)

GRMN 2450 Early 20th Century German Literature

8 credit points. Dr Borgert. **Session:** 1. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133. **Prohibition:** GRMN 2410.
Assessment: One 3000 word essay, one presentation in class and/or class test(s) equivalent to 1000 words, one 2 hour examination.
This unit will provide students with a broad and comprehensive survey of German literature from the beginning of the 20th

century through to about the end of World War II, by the study of representative major works from the period.

Textbooks

Musil, Die Verwirrungen des Zöglings Törleß (rororo 300)
Lyrik des Expressionismus: Departmental Selection (UPS)
Kafka, Das Urteil und andere Erzählungen (Fischer Tb.19)
Horváth, Kasimir und Karoline (Suhrkamp st 2371)
Brecht, Leben des Galilei (Suhrkamp es 1)

GRMN 2451 Later 20th Century German Literature

8 credit points. Dr Moulden. **Session:** 2. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133. **Prohibition:** GRMN 2420.
Assessment: One 3000 word essay, one presentation in class and/or class test(s) equivalent to 1000 words, one 2 hour examination.

This unit will provide students with a broad and comprehensive survey of German literature from the end of World War II to the end of the 20th century by the study of representative major works from the period.

Textbooks

German Film Course Pack (UPS)
Weiß, Die Verfolgung und Ermordung Jean Paul Marats dargestellt durch die Schauspielgruppe des Hospizes zu Charenton unter Anleitung des Herrn de Sade (Suhrkamp es 68)
Plenzdorf, Die neuen Leiden des jungen W. (Suhrkamp st 300)
Schneider, Dreck (Reclam Leipzig 1469)
Schlink, Der Vorleser (Diogenes detebe 22953)

GRMN 2453 Later 19th Century German Literature

8 credit points. Dr Borgert/Dr Moulden. **Session:** 1. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133. **Prohibition:** GRMN 2440.
Assessment: One 3000 word essay, one presentation in class and/or class test(s) equivalent to 1000 words, one 2 hour examination.

This unit will provide students with a broad and comprehensive survey of German literature from the middle of the 19th century through the age of emergent realism to the end of the century by the study of representative major works from the period.

Textbooks

Hebbel, Agnes Bernauer (Reclam UB 4268)
Keller, Romeo und Julia auf dem Dorfe (Reclam UB 6172)
Wagner, Die Meistersinger von Nürnberg (Reclam UB 5639)
Hauptmann, Bahnwärter Thiel (Reclam 6617)
Hofmannsthal, Reitergeschichte und andere Erzählungen (Reclam UB 18039)

GRMN 2750 Business German

8 credit points. Coordinator: Dr Bandhauer. **Session:** 2, Summer.
Classes: Two 1 hour lectures and one 1 hour tutorial per week.
Prerequisite: GRMN 1222, GRMN 1322 or GRMN 2222. **Assessment:** Continuous assessment (2 class tests each equivalent to 1000 words, 2 written assignments each equivalent to 750 words, presentation in class equivalent to 500 words), 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 2801 German Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. Department permission required for enrolment.

GRMN 2802 German Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. Department permission required for enrolment.

GRMN 2803 German Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. Department permission required for enrolment.

GRMN 2807 German Exchange

4 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. Department permission required for enrolment.

GRMN 2808 German Exchange

4 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. Department permission required for enrolment.

GRMN 2911 Medieval German: Language and Literature

8 credit points. Associate Professor Clifton-Everest. **Session:** 2. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisite:** Credit average in 12 Junior credit points of German not

including GRMN 1133. **Prohibition:** GRMN 2920. **Assessment:** One 3000 word essay, one presentation in class equivalent to 1000 words, one 2 hour examination.

An introduction to the Middle High German language concentrating on the skills necessary for reading verse-narrative and lyrical works from the beginning of the 13th century. Selected readings from two major Arthurian romances from the period, emphasising the importance of the historical background and characteristics of the genre to its proper understanding. A study of some major lyrical works of the period (Walther von der Vogelweide), investigating the concept of Courtly Love and its influence on modern ideas.

Textbooks

Medieval German Course Pack (UPS)
Deutscher Minnesang (Reclam UB7857)
Gottfried von Straßburg, Die Geschichte der Liebe von Tristan und Isolde. Auswahl (Reclam UB 4474)
Wolfram von Eschenbach, Parzival. Eine Auswahl (Reclam UB 7451)

GRMN 2912 Goethe's 'Faust'

8 credit points. Dr Moulden. **Session:** 1. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisite:** Credit average in 12 Junior credit points of German not including GRMN 1133. **Prohibition:** GRMN 2910. **Assessment:** One 3000 word essay, one presentation in class equivalent to 1000 words, one 2 hour examination.

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

The core of this unit is a detailed study of the First Part of Goethe's 'Faust' drama as well as excerpts from the Second Part. Additional material will examine the treatment of the subject matter before Goethe (eg, Volksbuch, Puppenspiele, Marlowe, Lessing), as well as through the 19th and into the 20th centuries.

Textbooks

Goethe, Faust. Der Tragödie erster Teil (Reclam UB 1)
Goethe's 'Faust' Course Pack (UPS)
Friedrich / Scheithauer, Kommentar zu Goethes Faust (Reclam UB 7177)

GRMN 3401 German In-Country Study 1

4 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133.

Department permission required for enrolment.

Students undertaking In-Country study will enrol in this unit (and / or GRMN 3402, GRMN 3403, GRMN 3404 depending on the number of units being studied) in consultation with the Department of Germanic Studies.

GRMN 3402 German In-Country Study 2

4 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133.

Department permission required for enrolment.

See GRMN 3401.

GRMN 3403 German In-Country Study 3

4 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133.

Department permission required for enrolment.

See GRMN 3401.

GRMN 3404 German In-Country Study 4

4 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. **Prerequisite:** 12 Junior credit points of German not including GRMN 1133.

Department permission required for enrolment.

See GRMN 3401.

GRMN 3702 Foreignness in Modern German Literature

8 credit points. Dr Bandhauer. **Session:** 2. **Classes:** One 1 hour lecture and two 1 hour seminars per week. **Prerequisite:** Credit average in 16 Senior credit points of German. **Assessment:** One 4000 word essay, one 2 hour examination.

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, will be compared.

Textbooks

Sten Nadolny, Selim oder die Gabe der Rede. (Serie Piper Bd.730)
Emine Özdamar, Die Brücke vom Goldenen Horn. kiWi Taschenbücher 731
Yoko Tawada et al, (Course Pack UPS)

GRMN 4011 German Honours A

12 credit points. Coordinator: Dr Moulden. **Session:** 1, 2. **Classes:** 5 hours per week. **Prerequisite:** 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:** One 1 hour language examination, four 4000 word essays including two written in German, one long essay of 12,000–15,000 words.

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 2 per semester. The seminars of which only FOUR or FIVE will take place are:

1. Parzival

Associate Professor Clifton-Everest.

Offered: February.

Classes: 2 hours per week.

Assessment: one 4000 word essay.

This seminar will examine the largest of Germany's medieval Romances, Wolfram's version of the Grail story, much admired by his contemporaries and successors both. The seminar will look in particular at the parallelism of the worldly and the spiritual quests of knighthood, and the roles that chivalry and love play in their common fulfilment. Much of the text will be read in a modern German translation, with crucial parts in the original Middle High German.

Textbooks

Wolfram von Eschenbach, Parzival (Reclam UB 2681/2).

2. Kafka's Novels

Dr Borgert.

Offered: February.

Classes: 2 hours per week.

Assessment: one 4000 word essay.

Franz Kafka was a born outsider whose graphic visions of distortion and alienation in an increasingly unstable world won him a position as one of the outstanding figures of twentieth century literature – and also one of the most teasing, in that his writing perfectly mirrors the multi-interpretability of the modern world. It is, therefore, not surprising that his work has been subjected to endless speculation. So far the interpreters have been preoccupied with interpreting Kafka from a particular point of view: religious, metaphysical, sociological or psychoanalytical. This course will look at Kafka's three novels and examine them on the levels suggested above.

Textbooks

Kafka, Der Verschollene (Fischer Tb. 12442).

Kafka, Der Proceß (Fischer Tb. 12443).

Kafka, Das Schloß (Fischer Tb. 12444).

3. Theatre Works of Hugo von Hofmannsthal

Dr Moulden.

Offered: February.

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 (Reclam UB 18113)

Hofmannsthal, Dramen V (Fischer Tb 2163)

4. Kleist's Prose Fiction

Professor Stephens.

Offered: July.

Classes: 2 hours per week.

Assessment: one 4000 word essay.

Heinrich von Kleist (1777–1811) was not only one of the greatest dramatists in German literature, but he also wrote a small body of prose fiction that contains some of the most fascinating and tantalising texts in German. It was no accident that Franz Kafka called Kleist and Dostoyevsky his ‘blood relatives’, meaning the prose writers who had had most influence on him. The world of Kleist’s stories is always a text full of obscure implications which the characters struggle to decipher. Family relationships are fraught with latent violence; glimpses of a better world are fleeting or hedged with irony; circumstance and coincidence play an often cruel chess-game with the fictional characters as pieces. Against this underlying grimness are the beauty and power of Kleist’s literary technique which has guaranteed that not only scholars enjoy reading his work today. This seminar sets out to offer a close reading of Kleist’s eight stories in a way that situates them in their historical context and also relates them to paradigms of modern experience.

Textbooks

Kleist, *Sämtliche Erzählungen und andere Prosa* (Reclam UB 8232)

Hinderer (Hrsg.), *Kleists Erzählungen* (Reclam UB 17505)

5. *Foreignness in Modern German Literature*

Dr Bandhauer.

Offered: July.

Classes: 2 hours per week.

Assessment: one 4000 word essay.

For course description and textbook details see entry for GRMN 3702.

6. *Prose works of Thomas Mann*

Dr Moulden.

Offered: July.

Classes: 2 hours per week.

Assessment: one 4000 word essay.

Thomas Mann is one of the most significant German prose writers of the 20th century. This seminar will treat in detail three of his earlier major works with their theme of tension between ‘Bürgerlichkeit’ and ‘Künstertum’, between ‘Leben’ and ‘Geist’. ‘Buddenbrooks’ examines this theme through the depiction of the downfall, over four generations, of a 19th century Hanseatic family; ‘Tonio Kröger’ and ‘Der Tod in Venedig’ illuminate varying aspects of the theme through the in depth analysis of the central artist figures.

Textbooks

Mann, *Buddenbrooks* (Fischer Tb. 9431)

Mann, *Tonio Kröger. Mario und der Zauberer* (Fischer Tb. 1381)

Mann, *der Tod in Venedig* (Fischer 54)

GRMN 4012 **German Honours B**

12 credit points. **Session:** 1, 2. **Corequisite:** GRMN 4011. Refer to GRMN 4011.

GRMN 4013 **German Honours C**

12 credit points. **Session:** 1, 2. **Corequisite:** GRMN 4012. Refer to GRMN 4011.

GRMN 4014 **German Honours D**

12 credit points. **Session:** 1, 2. **Corequisite:** GRMN 4013. Refer to GRMN 4011.

■ Greek (Ancient)

GRKA 1001 **Greek 1.1**

6 credit points. Dr S MacAlister. **Session:** 1. **Classes:** 4 lec & 1 tut/wk. **Prohibition:** GRKA 1101. **Assessment:** one 2hr exam, classwork and weekly assignments (equivalent to 2,500w).

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 foundation for acquiring 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. It assists with reading of the New Testament.

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) (C.U.P.)

Abbott and Mansfield. *A Primer of Greek Grammar* (Duckworth)

Liddell and Scott. *Abridged Greek Lexicon* (O.U.P.)

GRKA 1002 **Greek 1.2**

6 credit points. Dr S MacAlister. **Session:** 2. **Classes:** 4 lec & 1 tut/wk. **Prerequisite:** GRKA 1001. **Prohibition:** GRKA 1102. **Assessment:** one 2hr exam, one 1 hr exam, classwork and weekly assignments (equivalent to 1,500w).

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 *Chaereas 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 1101 **Advanced Greek 1.1**

6 credit points. Dr S MacAlister. **Session:** 1. **Classes:** 4 lec/wk. **Prerequisite:** HSC Classical Greek 2 unit. **Prohibition:** GRKA 1001. **Assessment:** Two 1.5 hr exams, assignments and classwork (equivalent to 1,500w).

Advanced Greek 1.1 aims to consolidate basic grammar and to foster an approach to text readings which encourages questioning about the social and cultural contexts of the texts, and develops familiarity with different genres’ languages and forms.

1. Language
2. One set text

The text to be studied will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)

GRKA 1102 **Advanced Greek 1.2**

6 credit points. Dr S MacAlister. **Session:** 2. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 1101. **Prohibition:** GRKA 1002. **Assessment:** two 1.5hr exams, and assignments and classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text

Texts to be studied will be posted on the Greek noticeboard 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 2003 **Greek 2.1**

8 credit points. Dr S MacAlister. **Session:** 1. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 1002 or GRKA 2302 + GRKA 2312. **Assessment:** two 1.5 hr exams, one 1,500w essay, assignments and classwork (equivalent to 1,500w).

1. Language
2. One set text

The text to be studied will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)

GRKA 2004 **Greek 2.2**

8 credit points. Dr S MacAlister. **Session:** 2. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 2003. **Assessment:** two 1.5 hr exams, one 1,500w essay, assignments and classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text

Texts to be studied will be posted on the Greek noticeboard 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 2103 Advanced Greek 2.1

8 credit points. **Session:** 1. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 1102. **Assessment:** one 2 hr exam, one 1 hr exam (or equivalent), one 1,500w essay, and classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text
4. One extension topic

Extension topics and texts will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 2104 Advanced Greek 2.2

8 credit points. **Session:** 2. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 2103. **Assessment:** one 2 hr exam, one 1 hr exam (or equivalent), one 1,500w essay, classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text
4. One extension topic

Extension topics and texts will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 2301 Accelerated Greek 2.1

4 credit points. Dr MacAlister. **Session:** 1. **Classes:** 3 classes/wk. **Prerequisite:** 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation or Latin or Ancient History or Philosophy or Modern Greek. **Corequisite:** 8 Senior credit points in Archaeology or Classical Civilisation or Latin or Ancient History or Philosophy or Modern Greek. **Prohibition:** GRKA 1001. **Assessment:** weekly assignments, classwork (equivalent to 1,500w), one 1.5hr exam. This unit of study is an abbreviated version of Greek 1.1 and provides a reading knowledge of Classical Greek prose.

GRKA 2302 Accelerated Greek 2.2

4 credit points. Dr MacAlister. **Session:** 2. **Classes:** 3 classes/wk. **Prerequisite:** GRKA 2301. **Prohibition:** GRKA 1002. **Assessment:** weekly assignments, classwork (equivalent to 1,500w), one 1.5hr exam. This unit of study is an abbreviated version of Greek 1.2 and provides a reading knowledge of Classical Greek prose.

GRKA 2312 Accelerated Greek 2 Additional

4 credit points. Dr MacAlister. **Session:** 2. **Classes:** 1 lec/wk & 1 tut (optional). **Prerequisite:** GRKA 2301. **Corequisite:** GRKA 2302. **Assessment:** on-going assignments (equivalent to 1,500w), one 1 hr exam, one 0.5 hr exam.

This unit of study functions as a 'bridging course' between Accelerated Greek 2 and Greek 2, to enable students of Accelerated Greek 2 to study further Greek to a higher level in subsequent years.

GRKA 2901 Special Greek 2.1

4 credit points. Dr L Watson. **Session:** 1. **Classes:** 2 classes/wk. **Prerequisite:** Either GRKA 1001 or GRKA 2301 plus a credit in either GRKA 1002 or GRKA 2302. **Corequisite:** GRKA 2103 or GRKA 2003. **Assessment:** two 1 hr exams and two 1,000w essays or two 2,000w essays.

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 2902 Special Greek 2.2

4 credit points. Dr L Watson. **Session:** 2. **Classes:** 2 classes/wk. **Prerequisite:** GRKA 2901. **Corequisite:** GRKA 2104 or GRKA 2004. **Assessment:** two 1 hr exams and two 1,000w essays or two 2,000w essays.

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 3005 Greek 3.1

8 credit points. **Session:** 1. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 2004. **Assessment:** one 2 hr exam, one 1 hr exam (or equivalent), one 1,500w essay, classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text
4. One extension topic

Extension topics and texts will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 3006 Greek 3.2

8 credit points. **Session:** 2. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 3005. **Assessment:** one 2 hr exam, one 1 hr exam (or equivalent), one 1,500w essay, classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text
4. One extension topic

Extension topics and texts will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 3105 Advanced Greek 3.1

8 credit points. **Session:** 1. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 2104 or GRKA 3006. **Assessment:** one 2 hr exam, one 1 hr exam (or equivalent), one 1,500 essay, classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text
4. One extension topic

Extension topics and texts will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 3106 Advanced Greek 3.2

8 credit points. **Session:** 2. **Classes:** 4 lec/wk. **Prerequisite:** GRKA 3105. **Assessment:** one 2 hr exam, one 1 hr exam (or equivalent), one 1,500w essay, classwork (equivalent to 1,500w).

1. Language
2. One major set text
3. One minor set text
4. One extension topic

Extension topics and texts will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 3903 Special Greek 3.1

4 credit points. Dr L Watson. **Session:** 1. **Classes:** 2 classes/wk. **Prerequisite:** Credit average in 24 credit points of 2000 level Greek incl GRKA 2901 + GRKA 2902. **Corequisite:** GRKA 3105 or GRKA 3005. **Assessment:** two 1 hr exams and two 1,000w essays or two 2,000w essays or one 2 hr exam and one 2,000w essay. 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 posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 3904 Special Greek 3.2

4 credit points. Dr L Watson. **Session:** 2. **Classes:** 2 classes/wk. **Prerequisite:** GRKA 3903. **Corequisite:** GRKA 3106 or GRKA 3006. **Assessment:** two 1 hr exams and two 1,000w essays or two 2,000w essays or one 2 hr exam and one 2,000w essay. 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 posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 4011 Greek Honours A

12 credit points. **Session:** 1, 2. **Classes:** three 1hr seminars/wk or one 2 hr seminar and one 1 hr seminar/wk (Three 1 hr Extension Topics or one 2 hr Extension Topic and one 1 hr Extension Topic). **Prerequisite:** Credit in 60 credit points of Greek incl GRKA 3903 + GRKA 3904 and either GRKA 3105 + GRKA 3106 or GRKA 3005 + GRKA 3006. **Assessment:** six 1 hr exams or equivalent, one 1.5 hr and one 3 hr exam. Department permission required for enrolment.

1. Extension topics. Extension topics will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.
2. Independent reading: texts will be prescribed for independent reading, to widen student's acquaintance with Greek literature and train advanced reading skills.
3. Unseen translation.

4. Supervised research leading to a thesis of 15,000–20,000 words on an approved topic related to Greek studies. A candidate who has Faculty permission to attempt Honours in both Greek and Latin in the same year may present one, more comprehensive, thesis on a topic approved by Classics staff.

GRKA 4012 Greek Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** GRKA 4011. Refer to GRKA 4011

GRKA 4013 Greek Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** GRKA 4012. Refer to GRKA 4011

GRKA 4014 Greek Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** GRKA 4013. Refer to GRKA 4011

■ Greek and Roman Literature

GRLT 2301 Greek and Roman Literature – Epic

8 credit points. Dr MacAlister, Ms Muecke, Drs L and P Watson. **Session:** 1. **Classes:** 2 lectures. **Prerequisite:** 18 Junior credit points. **Assessment:** One 2,500 word essay, one 1,500 word (equivalent) media project, one 2 hr exam (or equivalent), attendance and participation.

The ancient epics have shaped the European literary imagination up to our own day. What is the power that makes these narratives of concern to us today? They are masterpieces of story-telling, dealing with issues of universal concern such as life and death, love, war, and the journey of experience. A literary masterpiece, Virgil's Aeneid, pulls together all these themes, as a re-telling of earlier epic 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 which point ahead to the novels studied in the Second Semester.

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.)

GRLT 2302 Greek and Roman Literature – Novel

8 credit points. Dr MacAlister and Dr L. Watson. **Session:** 2. **Classes:** 2 lectures. **Prerequisite:** GRLT 2301 or 18 Junior credit points. **Assessment:** One 2,500 word essay, one 1,500 word (equivalent) media project, one 2 hr exam, attendance and participation.

Recently the ancient novel has become the focus of considerable critical interest. Modern literary theory has interrogated the ancient novel for its contribution to debates about the nature and origins of the 'novel'. Interpretation of the ancient novel has centred on its relationship to the ancient narrative tradition (both epic and oral narratives such as folktales), its making new of traditional motifs and themes, and its introduction of new material and preoccupations (especially love). The unit of study treats the ancient novel in terms of modern literary theory; it explores the differences between the Greek and Roman novels; it emphasises the importance of understanding the 'genre' in its cultural and social contexts.

Textbooks

B. Reardon (ed.) Collected Ancient Greek Novels (Berkeley and Los Angeles, 1989) (paperback edn)
Petronius Satyricon trans. J.P. Sullivan (Penguin Classics)
Apuleius The Golden Ass trans. P.G. Walsh [World's Classics]

■ Hebrew (Classical)

HBRW 1111 Hebrew Classical B1

6 credit points. Dr Young, Dr Berrin. **Session:** 1. **Classes:** 4 hours per week. **Prohibition:** HBRW 1311. **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. Dr Young, Dr Berrin. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HBRW 1111. **Prohibition:** HBRW 1312. **Assessment:** One 2-hour exam (50%); continuous assessment (40%); class participation (10%).

This unit continues the study of grammar and introduces the student to 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 (Tanach) for reading

HBRW 1311 Hebrew Classical A1

6 credit points. Dr Young, Dr Berrin. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HSC Hebrew or equivalent. **Prohibition:** HBRW 1111. **Assessment:** Two 1.5 hour exams (70%), continuous assessment (10%), essay (20%).

This unit of study presumes a basic knowledge of Hebrew. It consists of set classical texts (2 hours) and special background area study (2 hours).

HBRW 1312 Hebrew Classical A2

6 credit points. Dr Young, Dr Berrin. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HBRW 1311. **Prohibition:** HBRW 1112. **Assessment:** Two 1.5 hour exams (70%), continuous assessment (10%), essay (20%).

This unit of study builds on Hebrew Classical A1. It consists of: set classical texts (2 hours) and special background area study (2 hours).

HBRW 2113 Hebrew Classical B3

8 credit points. Professor Ebied, Dr Young. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HBRW 1112 or HBRW 2402. **Assessment:** Two 1.5hr exams (70%), continuous assessment (10%), essay (20%).

Designed to build on the foundations laid in Hebrew Classical B1 and B2 and introduce the study of the books of the Hebrew Bible in the light of their setting and composition history. Special background area studies such as Qumran Hebrew, Hebrew Inscriptions, and Textual Criticism are also introduced. Some parts may be read in conjunction with Hebrew Classical A1.

Consists of: set classical texts (2 hours per week); and special background area study (2 hours per week).

Textbooks

See Department

HBRW 2114 Hebrew Classical B4

8 credit points. Professor Ebied, Dr Young, Ms Davey. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HBRW 2113. **Assessment:** Two 1.5 hour exams (70%), continuous assessment (10%), essay (20%). Builds on Hebrew Classical B3. It consists of: set classical texts (2 hours), and special background area study (2 hours).

HBRW 2115 Hebrew Classical 5

8 credit points. Professor Ebied, Dr Young. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HBRW 2114 or HBRW 2314. **Assessment:** Two 1.5hr exams (80%); essay (20%).

Builds on the foundations laid in Hebrew Classical A4 and B4 and introduces the new tools brought to the study of the Bible as a result of discoveries in the Near East and applies these to the study of the Biblical text. Includes detailed study of texts, translation skills, and a methodological study of the background to the texts.

Consists of: set classical texts (2 hours per week); special background area study (2 hours).

HBRW 2116 Hebrew Classical 6

8 credit points. Professor Ebied, Dr Young. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HBRW 2115. **Assessment:** Two 1.5 hour exams (80%), essay (20%).

Follows on from Hebrew Classical 5. It consists of: set classical texts (2 hours), and special background area study (2 hours).

HBRW 2313 Hebrew Classical A3

8 credit points. Professor Ebied, Dr Young, Dr Berrin. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HBRW 1312. **Assessment:** Two 1.5 hour exams (80%), essay (20%).

Introduces the student further to background issues in the study of the Hebrew Bible. It consists of set classical texts (2 hours) and special background area study (2 hours)

HBRW 2314 Hebrew Classical A4

8 credit points. Professor Ebied, Dr Young, Dr Berrin. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HBRW 2313. **Assessment:** Two 1.5 hour exams (80%), essay (20%).

Consists of: set classical texts (2 hours) and special background area study (2 hours)

HBRW 2401 Hebrew Accelerated C1

8 credit points. Prof. Ebied, Dr Young. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** 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. **Corequisite:** 8 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. **Prohibition:** HBRW 1101, 1102, 1112. **Assessment:** Exam (60%), continuous assessment (30%), essay (10%).

An introduction to Hebrew language for those whose existing corequisite units of study require a basic language ability. It is taught concurrently with the existing Hebrew B-stream.

HBRW 2402 Hebrew Accelerated C2

4 credit points. Prof. Ebied, Dr Young. **Session:** 2. **Classes:** 2 hours per week. **Prerequisite:** HBRW 2401. **Assessment:** Exam (60%), continuous assessment (40%).

Brings students to a level necessary for the study of Hebrew at an advanced level. It forms a bridge between Hebrew Accelerated C1 and Hebrew Classical/Modern B3.

HBRW 2901 Aramaic B1

4 credit points. Dr Young. **Session:** 1. **Classes:** 2 hours per week. **Prerequisite:** 12 Junior credit points of Hebrew. **Assessment:** Exam (80%), continuous assessment (20%).

For those beginning the study of Aramaic this is a preparation for more advanced study of Aramaic language and literature. It introduces the student to the basic grammar and texts of Biblical Aramaic as a basis for study of other Aramaic dialects.

HBRW 2902 Aramaic B2

4 credit points. Dr Young. **Session:** 2. **Classes:** 2 hours per week. **Prerequisite:** HBRW 2901. **Assessment:** Exam (80%), continuous assessment (20%).

Builds on the foundation of Aramaic B1. It introduces the student to non-Biblical Aramaic dialects.

HBRW 2911 Syriac B1

4 credit points. Professor Ebied. **Session:** 1. **Classes:** 2 hours per week. **Prerequisite:** 12 Junior credit points of Hebrew. **Assessment:** Exam 80%, continuous assessment 20%.

For those beginning the study of Syriac this is a preparation for more advanced study of Syriac language and literature. It concentrates on the study of elementary Syriac grammar, prose composition and an introductory study of selections of texts from the Old and New Testament Peshitta.

Textbooks

Robinson, T.H., *Paradigms and Exercises in Syriac Grammar*, rev.edn. by L.H. Brockington, Oxford, OUP.

HBRW 2912 Syriac B2

4 credit points. Professor Ebied. **Session:** 2. **Classes:** 2 hours per week. **Prerequisite:** HBRW 2911. **Assessment:** Exam 80%, continuous assessment 20%.

Builds on the foundation of Syriac B1. It concentrates on the study of advanced Syriac prose composition and selections of texts from the Old and New Testaments Peshitta.

HBRW 3901 Aramaic B3

4 credit points. Dr Young. **Session:** 1. **Classes:** 2 hours per week. **Prerequisite:** HBRW 2902. **Assessment:** One 1.5 hour exam, continuous assessment.

Continues the study of Aramaic texts begun in Aramaic B1 and B2.

HBRW 3902 Aramaic B4

4 credit points. Dr Young. **Session:** 2. **Classes:** 2 hours per week. **Prerequisite:** HBRW 3901. **Assessment:** One 1.5 hour exam, continuous assessment.

Continues the study of Aramaic texts from Aramaic B3.

HBRW 3911 Syriac B3

4 credit points. Professor Ebied. **Session:** 1. **Classes:** 2 hours per week. **Prerequisite:** HBRW 2912. **Assessment:** Exam 80%, continuous assessment 20%.

Continues the study of Syriac texts begun in Syriac B1 and B2. It concentrates on the study of selections of Advanced Syriac Peshitta, Patristic texts, etc.

HBRW 3912 Syriac B4

4 credit points. Professor Ebied. **Session:** 2. **Classes:** 2 hours per week. **Prerequisite:** HBRW 3911. **Assessment:** Exam 80%, continuous assessment 20%.

Builds on the foundation of Syriac B3. It 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.

ANHS 3922 Akkadian Language II

4 credit points. Dr N Weeks. **Session:** 2. **Classes:** 2hr seminar/wk. **Prerequisite:** ANHS 3923. **Assessment:** one 1hr exam, one 2000 word seminar paper or equivalent.

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

A focus on the reading and discussion of representative Assyrian texts.

ANHS 3923 Akkadian Language I

4 credit points. Dr N Weeks. **Session:** 1. **Classes:** 2 hrs/wk. **Prerequisite:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902; or HSC Hebrew, HBRW 1111, Arabic 1, or equivalent in these or another Semitic language. **Assessment:** 1 hr formal exam, and 10 weekly exercises each equivalent to 200 words.

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

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

HBRW 4011 Hebrew (Classical) Honours A

12 credit points. Professor Ebied, Dr Young. **Session:** 1, 2. **Classes:** 6 hours per week. **Prerequisite:** Credit results in HBRW 2115 and HBRW 2116, 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%).

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) out of the following: Aramaic, Syriac, Akkadian, Ugaritic.

The Department reserves the right not to offer any option if staffing is not available; (iii) One special area of study will be chosen from the following options (2 hours per week): Classical Hebrew Literature; Medieval Hebrew Literature; Northwest Semitic Inscriptions.

Second Semester: (i) Classical Hebrew texts (2 hours); (ii) Additional Semitic language (2 hours) out of: Aramaic, Syriac, Akkadian, Ugaritic; (iii) Special area of study (2 hours) from the following options: 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.

HBRW 4012 Hebrew (Classical) Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** HBRW 4011. Refer to HBRW 4011

HBRW 4013 Hebrew (Classical) Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** HBRW 4012. Refer to HBRW 4011

HBRW 4014 Hebrew (Classical) Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** HBRW 4013. Refer to HBRW 4011

■ Hebrew (Modern)**HBRW 1011 Hebrew Modern B1**

6 credit points. Ms Gilead. **Session:** 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. It will include teaching the Hebrew alphabet and basic reading and writing skills as well as the introduction of basic vocabulary and language patterns. The unit will foster the development of oral communication skills relating to everyday topics.

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. Ms Gilead. **Session:** 2. **Classes:** 4 hours p.w. **Prerequisite:** HBRW 1011. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit is an extension of the work done in HBRW 1011 (B1).

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.

HB RW 1301 Hebrew Modern A1

6 credit points. Ms Gilead. **Session:** 1. **Classes:** 4 hours per week. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study presumes a good knowledge of Hebrew. It will build on students' previous experience of the Hebrew language. Students will be encouraged to develop their speaking fluency in everyday situations while improving their grammar and usage. The ability to read a variety of Modern Hebrew texts will be further developed. Those texts will include newspaper articles, essays, short stories, poems and other literary texts which reflect social and cultural issues of Israeli society covering the period from the 19th century to the present time.

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.

HB RW 1302 Hebrew Modern A2

6 credit points. Ms Gilead. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HB RW 1301. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study will follow the patterns introduced in Modern Hebrew A1, comprising language enrichment and literature.

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 will be supplied by the department.

HB RW 2103 Hebrew Modern B3

8 credit points. Ms Gilead. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HB RW 1102. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study consists of an intensive study of spoken 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.

Classes are 'learner centred' providing students with opportunities to practise their speaking 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.

HB RW 2104 Hebrew Modern B4

8 credit points. Ms Gilead. **Session:** 2. **Classes:** 4 hours p.w. **Prerequisite:** HB RW 2103. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit is an extension of the work done in HB RW 2103 (B3). 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 the unit the 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.

HB RW 2105 Hebrew Modern B5

8 credit points. Ms Gilead. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HB RW 2104. **Assessment:** Continuous class assessment, class tests, semester exam.

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 newspaper articles, short stories and poems.

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.

HB RW 2106 Hebrew Modern B6

8 credit points. Ms Gilead. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HB RW 2105. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an extension of the work done in HB RW 2105 (B5). By the end of the unit the students will be able to converse confidently in everyday Hebrew upon arriving in Israel.

As well, this course is designed to enable students who wish to continue learning Hebrew to make the transition into the intermediate/advanced stream.

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.

HB RW 2303 Hebrew Modern A3

8 credit points. Ms Gilead. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HB RW 1302. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an intensive language learning program for students who have a good knowledge of Hebrew. 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 social and cultural issues of Israeli society covering the period 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

HB RW 2304 Hebrew Modern A4

8 credit points. Ms Gilead. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** HB RW 2303. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an extension of the work done in HB RW 2303 (A3).

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.

HB RW 2305 Hebrew Modern A5

8 credit points. Ms Gilead. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** HB RW 2304. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study seeks to further develop the students' speaking, writing, listening and reading skills, while providing insight into contemporary Israeli culture. It continues to use the communicative approach to language learning. Students' active participation through team work, role playing and other interactive techniques is an essential aspect of all classes.

Textbooks

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

Further material will be supplied by the department.

HB RW 2306 Hebrew Modern A6

8 credit points. Ms Gilead. **Session:** 2. **Classes:** 4hrs per wk. **Prerequisite:** HB RW 2305. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an extension of the work done in HB RW 2305 (A5).

Textbooks

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

Further material will be supplied by the department.

HB RW 4021 Hebrew (Modern) Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Consult Department for details. Department permission required for enrolment.

HB RW 4022 Hebrew (Modern) Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** HB RW 4021.

HB RW 4023 Hebrew (Modern) Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** HB RW 4022.

HB RW 4024 Hebrew (Modern) Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** HB RW 4023.

■ Heritage Studies

HRTG 2001 Approaching Heritage Studies

8 credit points. Dr Annie Clarke. **Session:** 1. **Classes:** 2 hrs/wk lectures, 1 hr/wk tutorial. This unit of study will also involve visits to heritage sites and museums where material culture is collected and displayed. The unit of study involves interdisciplinary group work. **Prerequisite:** At least 18 junior credit points. **Prohibition:** ARHT 2034. **Assessment:** 3000 word essay, 3000 word report.

This unit of study examines the historical, theoretical and political issues associated with the interpretation of cultural heritage, historic sites and environments. 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 restoration, 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 2002 The Museum and Cultural Heritage

8 credit points. Dr Annie Clarke. **Session:** 2. **Classes:** 2 hrs/wk lectures 1 hr/wk tutorial. **Prerequisite:** HRTG 2001 or ARHT 2034. **Prohibition:** HSTY 2022. **Assessment:** 3000 word essay, 3000 word tutorial paper and presentation.

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 3001 Heritage Museums and the Public Sphere

8 credit points. Dr Annie Clarke. **Session:** 1. **Classes:** 2 hour seminar per week. **Prerequisite:** HRTG 2001 or ARHT 2034. **Assessment:** 3000 word essay, 3000 word seminar presentation and paper.

This unit of study examines the relationship between heritage and the public sphere. 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. Notions of democracy and heritage are examined as they interrelate with heritage studies and the public realm.

HRTG 3002 Social History and Heritage Studies

8 credit points. Dr Annie Clarke. **Session:** 2. **Classes:** 2 hr seminar/wk. This unit of study will involve visits to social history museums in New South Wales. **Prerequisite:** HRTG 2001 or ARHT 2034. **Assessment:** 3000 word essay, 3000 word research project.

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. Dr Oldmeadow. **Session:** 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. Dr Oldmeadow. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** 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 2001 Hindi and Urdu Intermediate 1

8 credit points. Dr Oldmeadow. **Session:** 1. **Classes:** 4hrs/week. **Prerequisite:** HIUR 1002. **Assessment:** Classwork & exam.

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 2002 Hindi and Urdu Intermediate 2

8 credit points. Dr Oldmeadow. **Session:** 2. **Classes:** 4hrs/week.

Prerequisite: HIUR 2001. **Assessment:** Classwork & exam. This unit is an extension of work done in HIUR 2001. It will provide further consolidation of oral, aural and written language skills.

HIUR 3001 Hindi and Urdu Advanced 1

8 credit points. Dr Oldmeadow. **Session:** 1. **Classes:** 4 hrs/week.

Prerequisite: HIUR 2002. **Assessment:** Classwork & exam. 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 3002 Hindi and Urdu Advanced 2

8 credit points. Dr Oldmeadow. **Session:** 2. **Classes:** 4 hrs/week.

Prerequisite: HIUR 3001. **Assessment:** Classwork & exam. This unit is an extension of work done in HIUR 3001.

■ History

HSTY 1025 Early Medieval Europe

6 credit points. Dr Lyn Olson and Dr Julie Ann Smith. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Assessment:** Eight 125 word tutorial exercises, one 1500 word essay, and one 2 hour exam (60% for classwork, 40% for exam).

The Early Middle Ages (5th-11th centuries) saw the birth of Europe as its kingdoms were founded within the crumbling western Roman Empire. The Mediterranean was split between Islam, Byzantium and the West, which acquired a more northern focus, giving rise to the empire of Charlemagne and the Vikings. By the year 1000, population and agricultural production were on the increase, underpinning profound changes of feudal consolidation, rise of the knight, decline of the power of women through the family, Church reform, growth of towns which become apparent before the end of the eleventh century, when Europe was to impinge on its neighbours in the First Crusade. This will be explored through a variety of sources including literary (Hrotsvitha's *Dulcinius* and the *Song of Roland*) and visual (Sutton Hoo ship burial, Book of Kells, Bayeux Tapestry) evidence. The desired outcomes are that you will learn about early medieval society, learn to write well supported History, and enjoy yourselves while doing both of these.

HSTY 1034 Early Modern Europe 1500–1750

6 credit points. Dr Eckstein and Dr Zlatar. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Assessment:** One 2 hr exam or equivalent, written work 2500 w; 60% classwork and 40% exam.

This unit relates the elegant, courtly world of Baroque culture to the altogether different reality of 'popular' cultures in the countryside and in the burgeoning cities of early-modern Europe. As well as tracing institutional developments, the unit retells the stories listened to by 'ordinary' people and uses them as tools for entering the popular consciousness, and investigates ways in which the people subverted and challenged the vocabulary of aristocratic and absolutist power. Attention will be given to changes brought about by Europe's burgeoning urban culture in the period, emphasis being given to major centres including Paris, Rome, Venice and Amsterdam. The unit will examine early-modern Europe from the point of view of its aristocratic elite, as an agrarian economy and in relation to contemporary constructions of gender. Students will be introduced to the glittering, authoritarian culture of Louis XIV, the 'Sun King', the rise of Enlightenment thought, events leading to the collapse of the 'Old Regime' and the dramatic period of revolution that followed the Fall of the Bastille in 1789. The semester will conclude with a portrait of the age of the Guillotine and the Terror, and the new world of Nationalism, Romanticism, Industry and Empire in the 19th century.

HSTY 1043 Modern European Politics and Culture

6 credit points. **Session:** 2. **Classes:** 2 lecture & 1 tutorial/wk. **Assessment:** One 2 hour exam or equivalent, 2500 words written work; 60% classwork and 40% exam.

This unit will examine the relationship between culture and politics in the twentieth century. The unit will look back to the significant cultural and political changes of the nineteenth

century and focus on the themes of nationalism, revolution, war, science, society and culture in the twentieth century.

HSTY 1045 Modern European History 1750–1914

6 credit points. Dr D Moses. **Session:** 1. **Classes:** 2 lec & 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 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. Dr S Robertson and Ms C Corbould. **Session:** 1. **Classes:** 2 one hour lectures and 1 one hour tutorial per week. **Prohibition:** HSTY 2035. **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. Dr P Russell. **Session:** 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. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 1802 History Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 2003 Cultural Transmissions 1750–1914

8 credit points. Prof R. Waterhouse and Dr M Pickering. **Session:** 2. **Classes:** 2 one hour lectures, 1 one hr tute. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** one 4000 w essay, one two hr exam.

This unit compares the cultural values and institutions of the United States and Australia. The focus is extensively but not exclusively on the nineteenth and twentieth centuries. Particular emphasis is placed on the roles of literature, art, and popular culture. At the same time some attention will also be paid to the comparative roles of the American and Australian landscapes and frontiers in shaping cultural imaginations.

The outcomes will include a better knowledge of Australian culture in comparative perspective and of the processes involved in locating texts in their contexts.

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 2004 Making Australia 1880–1930

8 credit points. Dr M Pickering. **Session:** Summer. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 2 hr exam or equivalent, one 3000 word essay, one 1000 word paper; 70% classwork and 30% exam.

The threads of modernity, gender and nation making weave through the period 1860 to 1930, when Australians were, in effect, made 'modern'. In a political climate dominated by nationalism, Federation and war, in a suburban landscape of modern architecture and domestic technology, popular stereotypes of Australian men and women evolved from society's engagement with new notions of time and space, urban and rural culture, modernism high and low, changing sexual and family politics, and the seductive attractions of modern life.

HSTY 2005 East and West in Contemporary Europe

8 credit points. Associate Professor Glenda Sluga. **Session:** 2. **Classes:** 2 lecture & 1 tutorial/wk. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.

Assessment: One 2hr exam or equivalent, one 3000 word essay, one 1000 word paper; 60% classwork and 40% exam.

This unit of study uses secondary analyses, first person accounts and film in order to understand society, culture and politics in Europe since the Second World War. Major themes include the Cold War and its ramifications, nationalism, the effects of migration and racism and the unification of Europe. Students will examine the comparative impact of these themes on the politics and cultures of nations in East and Western Europe and the daily lives of the women and men experiencing them.

HSTY 2008 Film and History

8 credit points. Dr Keene. **Session:** 2. **Classes:** 1 lecture, 1 tutorial and 1 screening/wk. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 1,000 word tutorial paper (20%); one 3,000 word essay (40%), one 2000 word take-home exam (30%); and class participation (10%).

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. In viewing these films the student will be asked to reflect on the shifting meanings they produce and the codes and strategies by which the film-maker brings individuals and past societies to life and the way in which meanings derived cinematically may differ from those based on written texts. The course also raises questions about social and political change in Europe and the ways in which films reconstruct and create popular memory. As well the course analyses what it is that films reveal about the European experience of war and pacifism; sex and gender; class and ethnicity; generational differences; and personal and national identity.

HSTY 2009 The Black Experience in the Americas

8 credit points. Ms C Corbould. **Session:** 2. **Classes:** 2 lec & 1 tut/wk.

Prerequisite: 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 2hr exam or equivalent, one 4000w essay; 70% for classwork, 30% for exam.

This unit aims to develop in students a deeper knowledge of American society in general and of the historical experience of the African Americans in particular, an ability to conduct independent research and to use primary materials critically and creatively, and an interest in and understanding of cultures other than their own.

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 and literature; Martin Luther King and the Civil Rights Movement; Malcolm X, the black Muslims and black power. At all stages in the course developments in the United States will be compared to those in the West Indies and Latin America.

HSTY 2013 Modern Russia: State, Society, Culture

8 credit points. Dr Zlatar. **Session:** 1. **Classes:** 2 lec & 1 tut/wk.

Prerequisite: 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 2hr exam or equivalent, 4000 word essay (60% classwork and 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 place increasing emphasis on the origins and role of the radical and nationalist intelligentsias, and their debates over Russia's place in the world, and its attitude toward the West. 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 2014 Australian Social History 1919–1998

8 credit points. Mr R White, Dr K McKenzie. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** one 1000 word tutorial paper, one 3000 word essay, one 2 hour formal or 2000 word take-home exam; and class participation.

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 2015 Heresy and Inquisition

8 credit points. Dr John Ward. **Session:** Summer. **Classes:** 2 hrs / wk lectures, 1 hr / wk tutorial. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** one 3hr exam, 3000 word written work; 60% for classwork; 40% for exam.

Dissent, fear of the supernatural, magic and sorcery, repression and control (crusade and Inquisition), transformation of heresy into witchcraft, destruction of the Templar Order, the female experience of dissent and witchcraft from the millennium to the Ireland of Alice Kyteler.

HSTY 2018 Mediterranean World in High Middle Ages

8 credit points. A/Professor Pryor. **Session:** 1. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** Two 1500- word papers and one 24-hour take-home examination of 3000 words.

This unit of study is made available only over the Internet. There are no traditional lectures or tutorials. Students need access to the Internet via their own computers, modems, and Email or via these resources available through Fisher Library or the Sydney University Information Technology unit. Prospective students should consult the course Home Page at teaching.arts.usyd.edu.au/history/2018/HSTY2018CourseContents.html. This page will be activated in February. The course also has a Web News Page for use by students wishing to discuss their work with others.

Beginning with the traditional Mediterranean powers of Islam and Byzantium in apparent decline in the eleventh century, the unit examines the processes of that decline and the rise of the Latin West to the end of the thirteenth century. In doing so, it challenges common assumptions about the degree to which the West achieved domination in the Mediterranean and the extent to which Byzantine and Muslim powers and peoples were marginalised.

The unit is structured around appreciation of the physical geography, oceanography, and meteorology of the Mediterranean basin their influences on the course of human history. Foci of attention include the mechanisms of Crusading; the response of the Muslim world and its internal evolution; the eclipse of Byzantium as a world power; the rise of the mercantile empires of Pisa, Genoa and Venice and their internecine wars; the Normans and Hohenstaufens in Sicily; the War of the Sicilian Vespers and rise of the Aragonese empire; maritime trade and naval warfare; the technology of communications, warfare, and industry; and the place of the Mediterranean in the history of the known world in the period.

Essays will provide an opportunity to specialise in cultural and intellectual interchange and mutual influences, and in other issues such as the importance of the western Balkan, Maghreb, Andalusian, and Provençal peoples.

HSTY 2024 The World Turned Upside Down

8 credit points. Dr Peter Brennan and Dr Lynette Olson (50% Ancient History/50% History). **Session:** 1. **Classes:** 2 lec and 1 tut/wk. **Prerequisite:** 12 Junior credit points of Ancient History, History or Economic History; or 6 credit points of Ancient History together with 6 credit points of Classical Civilization. **Assessment:** 2.5 hr exam and one 3000 word paper: (60% classwork and 40% exam).

This is the story of transformation from the Roman to the medieval European world c.AD150–800. The story will be told mainly through the words and artefacts of those who lived the transformation. We shall see how, within Roman and barbarian societies, authority is created, dissented from and destroyed; how identity is constructed and used. We shall see this through the shifting of frontiers, physical, cultural and metaphorical, including those between Roman and barbarian, barbarian and barbarian, pagan and Christian (orthodox and unorthodox), town and country, public and private, male and female, soldier and civilian, elites and masses, old and new, body and spirit, life and death. We shall test two propositions: that the Roman underworld and the barbarian outerworld turn the old world upside down in the formation of medieval culture; that this world underwent deep structural change in the third and in the seventh centuries AD.

HSTY 2034 A History of the United States to 1865

8 credit points. Dr F. Clarke. **Session:** 1, Summer. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One take-home exam; one 3000 word essay; one 1000 word tutorial paper; 70% class work; 30% exam.

This course provides an introduction to the key events, issues and debates in the social, cultural and political history of the United States from the European discovery of the New World to the end of the Civil War in 1865. We will explore topics such as the encounters between Europeans and Native Americans; the diverse regional patterns of European settlement and cultural development; the origins and impacts of slavery; the American Revolution – and the new nation and political system established in its aftermath; the social, political and cultural changes resulting from the rise in the market economy; and the unraveling of the fabric of the American nation that resulted in Civil War.

HSTY 2050 European Conquests 1500–1750

8 credit points. Dr Andrew Fitzmaurice. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** 2 hr exam or equiv, 4000 words written work; 60% classwork and 40% exam.

The focus of this course is upon the first period of European 'expansion'. The central theme is the ideologies of European expansion. What justification did the Spanish, French, English and Portuguese use for the appropriation of other peoples' lands? (This is the period which sees the emergence of the argument of terra nullius – more recently central to Australian disputes over land rights). Was colonialism supremely self-confident or did the colonisers harbour doubts about the legitimacy of their actions?

HSTY 2055 Race Relations and Australian Frontiers

8 credit points. Dr Kirsten McKenzie. **Session:** 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisite:** 12 junior credit points in History, Ancient History or Economic History, or special permission from the Chair of Department. **Assessment:** One 2 hour exam or equivalent (30%); One 3000 word essay (40%); One 1000 word paper (20%); Class participation.

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 2056 A House Divided: The American Civil War

8 credit points. Dr F. Clarke. **Session:** 2. **Classes:** 2 hrs lecture and 1 hr tutorial/week. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** One 1,000 word tutorial paper (15%), one 3,000 word research paper (40%), one exam (30%) and tutorial participation (15%).

The Civil War had momentous consequences for America – realigning the political balance between North and South, ending slavery, altering the balance between state and federal governments and forever transforming the lives of millions of people. This unit will survey the social, cultural and political history of the Civil War and Reconstruction. We will examine issues such as soldiers' motivations and combat experiences, homefront mobilization, the war's effects on gender and race relations and the causes for Reconstruction's failure.

HSTY 2058 French Politics and Culture

8 credit points. A/Prof R Aldrich. **Session:** 2. **Classes:** 2 one hour lectures and 1 one hour tutorial per week. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic History, or Asian History and Culture. **Prohibition:** ECHS 2307. **Assessment:** One two hour exam or equivalent; 3000 words of written work; and a tutorial presentation (equivalent to 1000 words).

This unit will examine the continuities and disjunctures in French political and social life and the cultural manifestations of both from the eighteenth to the twentieth centuries. The unit will also highlight contemporary and historical debates about the key events in French history, and examine both the private and public life of French men and women in the family, the region and in their dealings with the state.

HSTY 2059 Nationalism

8 credit points. **Session:** 1. **Classes:** One 2 hour lecture One 1 hour tutorial. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** 1000 word short essay; 3000 word long essay; 2 hour exam.

This unit analyses theories of nationalism and historical episodes of nationalism. Its aim is to introduce students to the variety of approaches to the study of nationalism, and to ask them to evaluate theories of nationalism in the context of actual events that are taken as classic sites of nationalism, including the break up of Yugoslavia, the 'springtime of nations' in 1848, the Paris peace process of 1919, the unification of Italy and Germany, and the rise of Fascism.

HSTY 2060 Violence in Italy

8 credit points. Dr N. Eckstein. **Session:** 1. **Classes:** 2 one hour lectures and 1 one hour tutorial per week. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.

Assessment: Tutorial paper (1000 words), essay (3000 words), 2 hour exam or equivalent, class participation.

Violence is a feature of all human societies in every era. This unit examines the cultural significance of violence in Italy, from the Ancient Roman amphitheatre to the language of twentieth-century Fascist violence and post-war Italy's confrontation with left and right-wing terrorism, the 'years of lead', and Italy's continuing struggle with the Mafia. Themes include violence in Medieval, Renaissance and Early-Modern urban culture, gender and sexuality, crime and punishment in the Enlightenment, and Romantic representations of violence in the nineteenth century.

HSTY 2061 Medicine, Gender and History

8 credit points. Dr Alison Bashford. **Session:** 2. **Classes:** 2 hrs of lectures and one hr of tutorials per week. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.

Prohibition: WMST 2006. **Assessment:** 2 article summaries and critical assessments (total 1000 words), one 3000 word essay and one 2 hr exam.

This unit examines the history of sex and gender from early modern to postmodern times. It does so with specific reference to the biomedical understandings of, and interventions into, sex, sexuality and gender over this period. Topics include the history of: gender, madness and psychiatry; medicine and the determination of sex (hormones/intersex/sex reassignment); medicine and sexual identities; women and medical education and practice; reproduction, population and eugenics.

HSTY 2062 Atlantic World in the Age of Empire

8 credit points. Dr M McDonnell. **Session:** 1. **Classes:** 2 lec & 1 tut/wk.

Prerequisite: 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** one 2 hr exam (or equivalent), one 4,000w essay; 70% class work, 30% exam.

This unit will explore the origins, rise, and development of the Atlantic World in the period 1415–1825. We will first interrogate the idea of Atlantic History, then begin to explore its vast dimensions by examining the constituent parts (Europe, Africa, and the Americas) and by making comparisons and connections between them. Themes covered will include the age of exploration, imperial impulses, early encounters, trading patterns, the slave trade, immigration, old and new societies, and independence movements and revolutions in the New World.

HSTY 2063 Natives and Newcomers

8 credit points. Dr M McDonnell. **Session:** 2. **Classes:** 2 lec & 1 tut/wk.

Prerequisite: 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** one take-home exam, one 3,000w essay, and one 1,000w tutorial paper; 70% class work, 30% exam.

This unit will examine the diverse encounters and interactions that occurred in the Early Modern Atlantic World between Europeans, Africans, and Native Americans. We will look at the Dutch, Spanish, French, and English experiences with

indigenous peoples around the Atlantic basin. Utilising a comparative approach, the unit will focus on the ways in which people of different ethnicities and races came together, understood each other, and created new and diverse cultures and societies in the rapidly expanding Atlantic world.

HSTY 2064 Communicating Culture in the Middle Ages

8 credit points. Dr Julie Ann Smith. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** one take-home exam; one 3,000w essay; one 1,000w tutorial paper; 70% class work, 30% exam.

This unit of study considers issues of definition, control, access to information, and expression in the Middle Ages. These questions go to the heart of a period in which the extent of literacy was debatable, heresy arguably the creation of clerics rather than dissenting worshippers, there was an international elite language and code of conduct and learning, when it was believed that mystics spoke with God, and when diplomatic gifts from a European king to a churchman could occasion surprise that the giver was even a Christian.

HSTY 2801 History Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 2802 History Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 2803 History Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 2807 History Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 2808 History Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

HSTY 2901 Writing History: Reading the Past

4 credit points. Associate Professor Glenda Sluga. **Session:** 1. **Classes:** 1 lecture & 1 tutorial/wk. **Prerequisite:** Credit average in 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** 4000 words written work; 90% written work and 10% class participation.

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

Attendance at both lectures and tutorials is compulsory.

Writing History offers students an introduction to the way in which historians have constructed their stories of the past. In 'Reading the Past', selected examples of history writing are set in the context of theoretical discussions of larger themes. The themes focus on popular objects, actions around which historians think about the past. We will discuss social theories (eg, marxism, feminism, structuralism, post-structuralism); emphasise the way in which theory grows out of the need to solve historical problems, questions, and is integral to the construction of an historical narrative.

HSTY 2902 Writing History: Recovering the Past

4 credit points. Associate Professor Glenda Sluga. **Session:** 2. **Classes:** 1 lecture & 1 tutorial/wk. **Prerequisite:** HSTY 2901. **Assessment:** 4000 words written work; 90% written work and 10% class participation.

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

Attendance at both lectures and tutorials is compulsory.

Writing History offers students an introduction to the way in which historians have constructed their stories of the past. In 'Recovering the Past' we build on the work done in 'Reading the Past' regarding the relationship of history to theory. The emphasis in 'Recovering the Past' is on the kinds of sources used by the historian in writing their history, in public histories, in oral histories, in the making of documentaries as well as academic history.

HSTY 3003 Australian Cultural History

4 credit points. Mr R White, Dr P Russell. **Session:** 1. **Classes:** 2hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 4000 words written work; 90% written work and 10% class participation.

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

This investigation of Australian cultural history in the nineteenth and twentieth centuries covers a flexible range of topics, including landscapes, acclimatisation, food, gardening, romance, literacy, modernism, childhood, bohemians, sport, beach culture, shopping, architecture, Hollywood, comics and the overseas trip.

HSTY 3004 Issues in Australian Cultural History

4 credit points. Mr R White, Dr P Russell. **Session:** 2. **Classes:** 2hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 4000 words written work; 90% written work and 10% class participation.

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

In this unit we investigate questions of national identity, the relationship between rural and urban, conceptions and reality of the bush, modernity and cultural transmission, cultural production and consumption, gender and authority. We consider a range of theoretical approaches to the above problems.

HSTY 3041 Australia and the World I

4 credit points. Assoc Prof Neville Meaney. **Session:** 1. **Classes:** 2hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 4000 words written work; 90% written work & 10% course participation.

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

'Australia and the World' will over two semesters explore the character of Australia's experience in the world from White Australia to multiculturalism, from British 'race patriotism' to 'Eurasian nation.' It will trace the emergence of a distinctive foreign policy tradition out of the problems faced by a European-derived society located in the Asian-Pacific region. It will consider the implications of this experience for national identity and the tensions between the community of culture and the community of interest. In this semester it will examine many of the major ideas and issues in the growth of that tradition down to 1950, including colonial liberalism, the 'Monroe Doctrine for the South Pacific', the White Australia Policy, the making of the Commonwealth, the fear of Japan and the 'Yellow Peril', dependence on 'Great and Powerful Friends', the AIF and Anzacs, the British 'betrayal' at Singapore and the coming of the Cold War.

HSTY 3042 Australia and the World II

4 credit points. Assoc Prof Neville Meaney. **Session:** 2. **Classes:** 2hr sem/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 4000 words written work; 90% written work & 10% class participation.

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

In this semester the unit will look at how the ideas and issues which emerged in the first half of the twentieth century of Australia's relations with the world were adapted to the great transformation in international relations which occurred from 1950 to 2003, particularly liberal internationalism and the United Nations, the response to the widening Cold War and Asian national independence, clashes with Indonesia over West New Guinea and Konfrontasi, the ANZUS alliance and the Vietnam War, Britain's retreat into Europe, the rise of republicanism, multiculturalism and the end of White Australia, 'enmeshment' with Asia, and the East Timor and Iraq crises.

HSTY 3049 European Cultural History

4 credit points. Dr Zlatar. **Session:** 1. **Classes:** 2 hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 3000–4000 words written work (90%) and tutorial participation (10%).

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

'The Making of the Modern 1880–1930'.

The notion of 'the modern' emerged in its full light only in the wake of the French Revolution, specifically during the period of Romanticism. Yet it took the rest of the 19th century to lay the foundations for a literary movement of Modernism which emerged in the early 20th century and held sway in the inter-war period. Thus, the making of 'the modern' took place during the period of Romanticism and Nationalism in 19th-century Europe, but fully emerged only on the eve of the First World War. Yet the seeds of its destruction were already described by Nietzsche in the late 19th century. It was in the first half of the 20th century that the foundations were laid for the breaking of the concepts of 'the modern' and of the notion of modernity. In this course we will look at the way that the concept of 'the modern' was put together by such thinkers as Hegel and Marx, Burckhardt and Huizinga, Weber, Troeltsch, Dostoevsky, Freud and Jung, as well

as the literary form of Modernism in the writings of Thomas Mann, D.H. Lawrence and Franz Kafka.

HSTY 3050 Issues in European Cultural History

4 credit points. Dr Zlatar. **Session:** 2. **Classes:** 2hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 3000–4000 words of written work (90%) and tutorial participation (10%).

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

'The Breaking of the Modern 1930–1980.'

It was in the first half of the 20th century that the foundations were laid for the breaking of the concepts of 'the modern' and of the notion of modernity. We will look at the breaking of this concept in the thought and writing of Nietzsche, Spengler, Croce, Gramsci, Levi-Strauss, Foucault and Derrida.

HSTY 3073 Nineteenth Century Germany

4 credit points. Dr Dirk Moses. **Session:** 1. **Classes:** 2hr sem/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 3000–4000 words written work; 90% written work & 10% class participation.

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

This reading-based seminar examines major historiographical themes of nineteenth century Germany. Proceeding chronologically, beginning with the impact of the French Revolution on the Holy Roman Empire, and moving through the century, focussing mainly on the political and social culture of Imperial Germany, finishing to the First World War and its consequences. In addition, particular attention will be given to important themes such as women and society, and industrialization and class conflict.

HSTY 3074 Aspects of German History

4 credit points. Dr Dirk Moses. **Session:** 2. **Classes:** 2hr sem/wk. **Prerequisite:** Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. **Assessment:** 3000–4000 words written work; 90% written work & 10% class participation.

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

This unit covers in depth the main themes of German historiography of the twentieth century. We will look at the Weimar Republic, move into Nazi Germany and the Holocaust, which is treated in some detail. The two post war Germany's are covered, as well as the revolution of 1989, and the problems of unification in the 1990s. Important themes will also be examined.

HSTY 3081 Ways of Seeing the Italian Renaissance 1

4 credit points. Dr N. Eckstein. **Session:** 1. **Classes:** 2 hour seminar/wk. **Prerequisite:** Credit average in 24 credit points of History including HSTY 2091 and HSTY 2092. **Assessment:** 500 word 'research proposal', 3500 word research essay.

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 in semester one. Students enrolling in HSTY 3082 in semester two will contribute to an interactive web-site to undertake relating to their own original, interdisciplinary study of the Florentine church of Orsanmichele and its significance in urban life of the most important city of the Italian Renaissance.

HSTY 3082 Ways of Seeing the Italian Renaissance 2

4 credit points. Dr N. Eckstein. **Session:** 2. **Classes:** 2 hour seminar/wk. **Prerequisite:** Credit average in 24 credit points of History including HSTY 2091 and HSTY 2092. **Assessment:** 'Topic outline', and research essay (total 4000 words).

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

This unit builds on the study of recent trends in Italian Renaissance historiography pursued in HSTY 3081 in semester one. By applying the various approaches of the 'workshop' seminars in semester one, students in second semester will contribute to an interactive web-site to undertake relating to their own original, interdisciplinary study of the Florentine church of Orsanmichele and its significance in urban life of the most important city of the Italian Renaissance.

HSTY 3083 Race, Empire and Bondage 1

4 credit points. Dr K McKenzie. **Session:** 1. **Classes:** Two seminars per week. **Prerequisite:** 24 senior credit points, including HSTY 2901 and HSTY 2902 at credit average or better. In third year students may do

HSTY 2901 and HSTY 2902 and HSTY 3000 level units of study concurrently. **Assessment:** 4000 words of written work (90%) Class participation (10%).

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

This course will take a comparative approach to questions of race and sexuality in the British empire from the late eighteenth to the early twentieth centuries. We will focus on the experiences, culture and resistance of men and women engaged in bonded labour (slaves, convicts and indentured labourers) in three key areas – the Caribbean, South Africa and Australia. We will also engage with the theoretical implications of these topics and the historiographical implications of postcolonial analyses.

HSTY 3084 Race, Empire and Bondage 2

4 credit points. Dr K McKenzie. **Session:** 2. **Classes:** 2 hour seminar. **Prerequisite:** 24 senior credit points, including HSTY 2901 and HSTY 2902 at credit average or better. In third year students may do HSTY 2901 and HSTY 2902 and HSTY 3000 level units of study concurrently. **Assessment:** 4000 words written work (90%); Class participation (10%).

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

This unit builds on the insights gained in HSTY 3083 and continues our investigation of unfree labour in the Caribbean, South Africa and Australia through specific topics of analysis. We will pursue general themes of race, sexuality and culture in the British Empire and its aftermath.

HSTY 3085 The Celtic World

4 credit points. Dr L. Olson. **Session:** 1. **Classes:** 2 hour seminar per week. **Prerequisite:** 12 Junior History, Modern Asian History and Culture, Ancient History or Economic History credit points (Credit or better), 24 Senior credit points in History (including HSTY 2901 and 2902) or Ancient History equivalent (Credit average). **Assessment:** One 3000 word seminar paper plus seminar participation.

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, over a thousand years of the historic period, 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. focussing increasingly on the periphery of the British Isles, 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. Particular use will be made of archaeological evidence.

HSTY 3093 Race and Gender in America 1

4 credit points. Dr F. Clarke. **Session:** 1. **Classes:** One 2 hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History including HSTY 2901 and HSTY 2902. **Assessment:** One 4,000 word essay.

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

This seminar examines the history of gender and race in eighteenth- and nineteenth-century America. We will focus on the changing experiences of men and women from various racial and ethnic backgrounds as well as altered conceptions of race and gender during this period. This unit also aims to help students understand the theoretical and methodological concerns that have reshaped approaches to the study of gender, race, class and sexuality in the last few decades – concerns that can be applied to historical studies beyond the U.S.

HSTY 3094 Race and Gender in America 2

4 credit points. Dr F. Clarke. **Session:** 2. **Classes:** One 2 hr seminar/wk. **Prerequisite:** Credit average in 24 credit points of History including HSTY 2901 and HSTY 2902. **Assessment:** One 4,000 word research paper.

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

This seminar will focus on the development of new trends in race and gender analysis in eighteenth- and nineteenth-century U.S. history. Questions that will be addressed include: what are the ways in which gender and race have intersected in American culture? What are the theoretical and historiographical difficulties and benefits of studying gender and race in the American past? What kinds of analysis best explain the formation and functioning of racial and gender oppression over time? Students will apply some of this new thinking and analysis to their own work in constructing a primary research-based paper.

HSTY 3095 The Celtic World Revisited

4 credit points. Dr L. Olson. **Session:** 2. **Classes:** 2 hour seminar per week. **Prerequisite:** 12 Junior History, Modern Asian History and Culture, Ancient History or Economic History credit points (Credit or better), 24 Senior credit points in History (including HSTY 2901 and 2902) or Ancient History equivalent (Credit average). **Assessment:** One 3000 word seminar paper, plus seminar participation.

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

Whereas HSTY 3085 tried for a reasonably even treatment of the various Celtic regions, this unit will concentrate on areas that warrant more attention, especially Ireland with its richness of evidence but also the Pictish North and Breton South. It will also consider wide-ranging topics such as continuity in Celtic art, the Irish Sea as a culture-province, the Irish on the Continent, the world of Celtic hagiography, and the Arthurian legend in the Celtic World and beyond.

HSTY 4011 History Honours A

12 credit points. Convenor: Dr Lyn Olson. **Session:** 1, 2. **Classes:** two 2 hr seminars/week semester 1; one 2hr seminar/week semester 2.

Prerequisite: Credit average in 48 Senior credit points of History, including HSTY 2901 and HSTY 2902, and 8 credit points of study at 3000 level. **Assessment:** History IV students are required to write a 15,000–20,000 word thesis, and attend a General Seminar (Semester 1) and one Special Studies Seminar (in each of semesters 1 and 2). The thesis will be 50% of the final mark, the General Seminar 20% and the Special Studies Seminars 30%. Assessment for the General Seminars consists of 4,000 words of written work (90% for written work, 10% for participation); assessment for the Special Studies Seminars consists of 4,000 words of written work for semester 1 and 6,000 words of written work for semester 2 (30% for semester 1, 60% for semester 2, 10% for participation over the whole year).

Department permission required for enrolment.

Two of the 3000 series of units and one of the following History IV General Seminars:

Sex and Subjectivity (Dr Penny Russell)

Historians have traditionally been distrustful of 'subjectivity', in their sources or in their own writing and interpretations. But critical and theoretical interventions in recent years have promoted a new interest in the history of the 'self' and an appreciation of the significance of gender, class, race and sexuality in the production of individual subjects. Using examples of the varieties of life writing as case studies, this course will acquaint you with these new methodologies and interpretations and the contests they have generated.

History of Politics (Associate Professor Glenda Sluga) Semester 1

Political history is the oldest form of modern history writing, and in recent years historians have begun to rethink how the history of politics might be written, and indeed are reconsidering the scope of political history. This seminar will examine some of the theoretical issues behind the changing approaches to political history, and consider the latest examples of political history writing in national, international and diplomatic histories.

HSTY 4012 History Honours B

12 credit points. **Session:** 1, 2. **Prerequisite:** See under HSTY 4011. **Corequisite:** HSTY 4011.

See under HSTY 4011

HSTY 4013 History Honours C

12 credit points. **Session:** 1, 2. **Prerequisite:** See under HSTY 4011. **Corequisite:** HSTY 4012.

See under HSTY 4011

HSTY 4014 History Honours D

12 credit points. **Session:** 1, 2. **Prerequisite:** See under HSTY 4011. **Corequisite:** HSTY 4013.

See under HSTY 4011

■ Indonesian and Malay Studies

INMS 1101 Indonesian Introductory 1

6 credit points. Dr Keith Foulcher. **Session:** 1. **Classes:** 4 hrs/week. **Prohibition:** Native or near native speakers of Indonesian or Malay, HSC Continuer, or Extension Indonesian or Beginners Indonesian – 75% or above or equivalent. **Assessment:** Assignments (20%), written tests (40%), oral tests (30%), class participation (10%). (Subject to negotiation in the first meeting.)

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]

INMS 1102 Indonesian Introductory 2

6 credit points. Dr Keith Foulcher. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** INMS 1101. **Prohibition:** INMS 1301, INMS 1302. **Assessment:** Assignments (20%), written tests (40%), oral tests (30%), class participation (10%). (Subject to negotiation in the first meeting.) 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 1301 Indonesian Introductory 3

6 credit points. Dr Keith Foulcher. **Session:** 1. **Classes:** 4 hrs/week. **Assumed knowledge:** HSC Continuers Indonesian or Indonesian Extension or 75 or more in Indonesian Beginners or equivalent. **Prohibition:** INMS 1101. **Assessment:** Assignment and class presentations (20%), written tests (20%), aural tests (15%), oral tests (15%), take home exam (20%), class participation (10%). (Subject to negotiation in the first meeting.)

This unit offers an introduction to the study of Indonesian at university level for students with previous knowledge of the language. Emphasis is placed on communicative activities and there is extensive development of skills already acquired in speaking, listening and writing. Contemporary Indonesian materials are used, arranged on a thematic basis. Interpretive reading of texts relating to the development of modern Indonesian society will develop students' understanding of the social and cultural contexts in which Indonesian is used.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS 1302 Indonesian Introductory 4

6 credit points. Dr Keith Foulcher. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** INMS 1301. **Prohibition:** INMS 1101, INMS 1102. **Assessment:** Assignments (30%), written tests (20%), aural tests (15%), oral tests (15%), group project (10%), class participation (10%). (Subject to negotiation in the first meeting.)

Consolidating and building on skills acquired in INMS 1301, this unit is designed to prepare students for senior level study of Indonesian. Fieldwork will involve contacting and interviewing a member of the Indonesian community living in Sydney. The unit will also involve the analytical reading of Indonesian language texts expressing the opinions of Indonesians on important social and national issues.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS 2101 Indonesian Intermediate 1

8 credit points. Dr Keith Foulcher. **Session:** 1. **Classes:** 4 hrs/week. **Prerequisite:** INMS 1102. **Assessment:** Assignments and class presentations (25%), written tests (20%), aural tests (10%), oral tests (15%), take home exam (20%), class participation (10%). (Subject to negotiation in the first meeting.)

This unit emphasises communicative activities in Indonesian, with extensive development of skills already acquired in speaking, listening, reading and writing. Contemporary Indonesian materials are used, arranged on a thematic basis. Interpretive reading of texts related to the development of modern Indonesian society will develop students' understanding of the social and cultural contexts in which Indonesian is used.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre

INMS 2102 Indonesian Intermediate 2

8 credit points. Dr Keith Foulcher. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** INMS 2101. **Assessment:** Assignments and class presentations (40%), written tests (20%), aural tests (10%), oral tests (10%), group project (10%), class participation (10%). (Subject to negotiation in the first meeting.)

This unit consolidates and extends skills acquired in INMS 2101. It is designed to prepare students for upper level study of Indonesian. Fieldwork will involve contacting and interviewing a member of the Indonesian community living in Sydney. The unit will also involve the analytical reading of Indonesian language

texts expressing the opinions of Indonesians on important social and national issues.

Textbooks

Materials are supplied and may be purchased by students from the University Copy Centre.

INMS 2301 Indonesian Intermediate 3

8 credit points. Dr Keith Foulcher. **Session:** 1. **Classes:** 4 hrs/week. **Prerequisite:** INMS 1302. **Assessment:** Assignments and report (30%), written tests (20%), aural tests (10%), oral tests (15%), take home exam (15%), class participation (10%). (Subject to negotiation in the first meeting.)

The three main components of this unit are comprehension, communicative activities and grammar/usage. The aim is to expand and develop the skills of speaking, listening, reading and writing, using material from a variety of contemporary sources. One hour per week will also be devoted to a study of the history and diversity of literature written in Indonesia since the beginning of the twentieth century.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre

INMS 2302 Indonesian Intermediate 4

8 credit points. Dr Keith Foulcher. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** INMS 2301. **Assessment:** Assignments (35%), written tests (20%), aural tests (10%), oral tests (15%), group project (10%), class participation (10%). (Subject to negotiation in the first meeting.)

This unit consolidates and builds on skills acquired in INMS 2301. The emphasis of the unit continues to be on extensive study of Indonesian comprehension, communicative skills and grammar/usage. One hour per week will be devoted to a study of major social and political issues in contemporary Indonesia. A variety of contemporary texts from Indonesia, incorporating written documents and audio-visual materials will be used.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 2501 Indonesian In-Country Study A

8 credit points. Dr Keith Foulcher. **Session:** 1, 2. **Prerequisite:** INMS 1102 or INMS 1302.

Department permission required for enrolment.

Credit for this unit of study may be awarded when a student has successfully completed an approved intensive Indonesian program of at least six weeks' duration offered by a recognised tertiary institution in Indonesia. Intending students should consult the Indonesian Studies coordinator prior to undertaking a program for which this credit will be sought.

INMS 3101 Indonesian Advanced 1

8 credit points. Dr Keith Foulcher. **Session:** 1. **Classes:** 4 hrs/week. **Prerequisite:** INMS 2102. **Assessment:** Assignments and report (30%), written tests (20%), aural tests (10%), oral tests (15%), take home exam (15%), class participation (10%). (Subject to negotiation in the first meeting.)

The three main components of this unit are comprehension, communicative activities and grammar/usage. The aim is to extend and develop the skills of speaking, listening, reading and writing, using material from a variety of contemporary sources. One hour per week will be devoted to a study of the history and diversity of literature written in Indonesian since the beginning of the twentieth century.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3102 Indonesian Advanced 2

8 credit points. Dr Keith Foulcher. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** INMS 3101. **Assessment:** Assignments (35%), written tests (20%), aural tests (10%), oral tests (15%), group project (10%), class participation (10%). (Subject to negotiation in the first meeting.)

This unit extends and builds on the language acquisition activities covered in INMS 3101. One hour per week will be devoted to a study of major social and political issues in contemporary Indonesia. A variety of contemporary texts from Indonesia, incorporating written documents and audio-visual materials will be used.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3301 Indonesian Advanced 3

8 credit points. Dr Keith Foulcher. **Session:** 1. **Classes:** 4 hrs/week. **Prerequisite:** INMS 2302. **Assessment:** Assignments (30%), written tests (20%), aural tests (10%), oral tests (15%), essay in Indonesian (15%), class participation (10%). (Subject to negotiation in the first meeting.)

This unit emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary material will be used. One hour per week will be devoted to a study of representations of gender and the question of national identity in Indonesian literature, film and media.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3302 Indonesian Advanced 4

8 credit points. Dr Keith Foulcher. **Session:** 2. **Classes:** 4 hrs/week. **Prerequisite:** INMS 3301. **Assessment:** Assignments (35%), written tests (20%), aural tests (10%), oral tests (15%), group project (10%), class participation (10%). (Subject to negotiation in the first meeting.)

The unit continues the type of study undertaken in INMS 3301. One hour per week will be devoted to a study of written documents and audio-visual material dealing with topical social and political issues in contemporary Indonesia.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3902 Introduction to Research and Methodology

8 credit points. Prof. Peter Worsley. **Session:** 2. **Classes:** 2 hrs/week. **Prerequisite:** Credit in INMS 2901 and INMS 2102 or INMS 2302. **Assessment:** Classwork and 1 bibliographic project.

This unit of study is intended to train students to select and evaluate a specific area of research in some field of Indonesian or Southeast Asian Studies. Students will learn basic research skills, in particular how to design a research project, write a research proposal, and construct a critical bibliography. Following the study of a number of exemplary research projects, students will design their own project and write a proposal under the supervision of a member of staff assigned to them for this purpose.

INMS 4011 Indonesian and Malay Studies Honours A

12 credit points. Dr Keith Foulcher. **Session:** 1, 2. **Classes:** 2 hrs language/week full year and 2 hrs seminar/week session 1. **Prerequisite:** INMS 3102 or INMS 3302 and INMS 3192, all at Credit level. **Assessment:** Assignments and Essays.

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. Dr Keith Foulcher. **Session:** 1, 2. **Corequisite:** INMS 4011.

INMS 4013 Indonesian and Malay Studies Honours C

12 credit points. Dr Keith Foulcher. **Session:** 1, 2. **Corequisite:** INMS 4012.

INMS 4014 Indonesian and Malay Studies Honours D

12 credit points. Dr Keith Foulcher. **Session:** 1, 2. **Corequisite:** INMS 4013.

International and Comparative Literary Studies**ICLS 2003 Literary Change and Innovation**

8 credit points. Dr Anthony Dracopoulos. **Session:** 1. **Classes:** One hour lecture and two hours tutorial per week. **Prerequisite:** 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject. **Assessment:** Class work, essays.

This unit aims to study modernity as a transnational European and Asian phenomenon, by combining historical and cultural analyses with methodologies relevant to the study of cross-cultural literary interaction. Focusing on a selection of literary texts from a variety of national literatures, it will compare a number of different manifestations and responses to the challenges of modernity and will examine the ideological and aesthetic assumptions implicit in literary change.

ICLS 2004 Cognate Comparisons

8 credit points. Dr David Brooks. **Session:** 2. **Classes:** One hour lecture and two hours tutorial per week. **Prerequisite:** 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject. **Assessment:** Class work, essays. Comparison itself is a major element in the study of comparative literature. This unit intensifies understanding of the nature and techniques of comparison by exploring its use in cognate areas of study such as the visual arts, film, religion and philosophy. The modules of the course will vary with the theme for the year in which it is studied. The theme for 2004 is 'Image and Text'.

Italian**ITLN 1101 Beginners' Italian 1**

6 credit points. Drs Bartoloni, Mauceri and Rubino. **Session:** 1, Summer. **Classes:** 4 language tutorials and 1 lecture. **Prohibition:** ITLN 1201, ITLN 1301, ITLN 1401. **Assessment:** Class work, assignments, tests, exam.

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.

ITLN 1101 introduces the main structures of Italian language and provides an overview of contemporary Italian history and society. The language component develops all four language skills, with a particular focus on the development of grammatical accuracy. The cultural component, Introduction to Italian Studies, consists of a series of lectures which offer insight into some of the salient issues of Italian history from Unification to the present.

Textbooks

Lazzarino, Prego (McGraw-Hill) 5th edition

Other texts available from Department

Recommended reference books

Adorni and Primorac, English Grammar for Students of Italian (Olivia and Hill)

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 1102 Beginners' Italian 2

6 credit points. Drs Bartoloni, Mauceri and Rubino. **Session:** 2. **Classes:** 3 language tutorials, 1 reading seminar, 1 lecture. **Prerequisite:** ITLN 1101 or equivalent. **Prohibition:** ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** Class work, assignments, tests, exam, essay.

The language component of ITLN 1102 builds further on the structures acquired in ITLN 1101. The cultural component, Modern Italy, explores aspects of twentieth-century Italian cultural, social, and political life through the presentation in a weekly lecture of major literary and cultural movements and figures, followed by guided reading and analysis of relevant texts in a weekly reading seminar.

Textbooks

Lazzarino, Prego (McGraw-Hill) 5th edition

Other texts available from Department

Modern Italy (from Copy Centre)

Recommended reference books

De Rôme, 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 1201 Intermediate Italian 1

6 credit points. Dr Modesto. **Session:** 1. **Classes:** 3 language tutorials, 1 reading seminar and 1 lecture per week. **Prerequisite:** HSC 2UZ Italian or Italian Beginners or equivalent. **Prohibition:** ITLN 1101, ITLN 1301, ITLN 1401. **Assessment:** Class work, assignments, tests, essay.

ITLN 1201 consolidates the main structures of Italian grammar and provides an overview of contemporary Italian history and society. The language component develops the four language skills, introducing complex structures. Reading, writing, and close analysis of appropriate texts are particular features of this section. The cultural component consists of a series of lectures, Introduction to Italian Studies, which offer an insight into some of the salient issues of Italian history from Unification to the present, and a reading seminar which deals with a range of twentieth-century literary texts.

Textbooks

Other texts available from Department

Recommended dictionaries

Collins Sansoni Italian Dictionary (Collins)

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

Recommended reference books

De Rôme, 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 1202 Intermediate Italian 2

6 credit points. Dr Modesto, Dr Mauceri. **Session:** 2. **Classes:** 3 language tutorials, 1 reading seminar, 1 lecture. **Prerequisite:** ITLN 1201 or equivalent. **Prohibition:** ITLN 1102, ITLN 1302, ITLN 1402.

Assessment: Class work, assignments, tests, essay.

The language component of ITLN 1202 builds on the competence acquired in ITLN 1201. The cultural component, Modern Italy, explores aspects of twentieth-century Italian cultural, social, and political life through the presentation in a weekly lecture of major literary and cultural movements and figures, followed by a guided reading and analysis of relevant texts in a weekly reading seminar.

Textbooks

Modern Italy (from Copy Centre)

Recommended dictionaries

Collins Sansoni Italian Dictionary (Collins)

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

Recommended reference books

De Rôme, 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 1301 Advanced Italian 1

6 credit points. Dr Rubino, Dr Bartoloni. **Session:** 1. **Classes:** 3 language tutorials, 1 reading seminar and 1 lecture. **Prerequisite:** HSC 2U or 3U Italian or Italian Continuers or Italian Extension or equivalent.

Prohibition: ITLN 1101, ITLN 1201, ITLN 1401. **Assessment:** class work, assignments, tests, essay.

ITLN 1301 revises and consolidates the main structures of Italian grammar and 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 series of lectures, Introduction to Italian Studies, which offer an insight into some of the salient issues of Italian history from Unification to the present, and a reading seminar which deals with a range of twentieth-century literary texts.

Textbooks

Mazzetti, A., Manili, P. & Bagianti M.R. (1997) Qui Italia più (Le Monnier)

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

Recommended reference books

De Rôme, Soluzioni! A Practical Guide to Italian Grammar

Duggan, A Concise History of Italy (Cambridge)

Ginsborg, A History of Contemporary Italy: Society and Politics 1943–1988 (Penguin) [latest edition]

ITLN 1302 Advanced Italian 2

6 credit points. Dr Rubino, Dr Bartoloni. **Session:** 2. **Classes:** 3 language tutorials, 1 reading seminar and 1 lecture. **Prerequisite:** ITLN 1301 or equivalent. **Prohibition:** ITLN 1102, ITLN 1202, ITLN 1402.

Assessment: class work, assignments, tests, essay.

The language component of ITLN 1302 builds on the competence acquired in ITLN 1301 and further develops aural/oral skills, reading, writing and knowledge of grammar. The cultural component, Modern Italy, explores aspects of twentieth-century Italian cultural, social, and political life through the

presentation in a weekly lecture of major literary and cultural movements and figures, followed by a guided reading and analysis of relevant texts in a weekly reading seminar.

Textbooks

Mazzetti, A., Manili, P. & Bagianti M.R. (1997) Qui Italia più (Le Monnier)

Modern Italy (from Copy Centre)

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

Recommended reference books

De Rôme, 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 1401 Advanced Italian 1 (Native Speakers)

6 credit points. Dr Rubino. **Session:** 1. **Classes:** 1 reading seminar, 1 lecture, and language tutorials as prescribed. **Prerequisite:** Native-speaker proficiency in Italian. **Prohibition:** ITLN 1101, ITLN 1201, ITLN 1301. **Assessment:** class work, assignments, tests, essay.

Department permission required for enrolment. Department permission required for enrolment.

ITLN 1402 Advanced Italian 2 (Native Speakers)

6 credit points. Dr Rubino. **Session:** 2. **Classes:** 1 reading seminar, 1 lecture, and language tutorials as prescribed. **Prerequisite:** ITLN 1401. **Prohibition:** ITLN 1102, ITLN 1202, ITLN 1302. **Assessment:** class work, assignments, tests, essay.

Department permission required for enrolment.

Builds on ITLN 1401.

ITLN 1801 Italian Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

ITLN 2101 Intermediate Italian Language 3

4 credit points. Dott. Marmini. **Session:** 1. **Classes:** 2 language tutorials and 1 oral/aural class per week. **Prerequisite:** ITLN 1102 or equivalent. **Prohibition:** ITLN 2201, ITLN 2301. **Assessment:** class work, assignments, tests.

ITLN 2101 revises and consolidates the principal structures of the language, introducing complex structures.

Textbooks

Coursepack available from Copy Centre.

Recommended dictionary

Collins Sansoni Italian Dictionary (Collins).

ITLN 2201 Intermediate Italian Language 4

4 credit points. Dott. Marmini. **Session:** 1. **Classes:** 2 language tutorials and 1 oral/aural class per week. **Prerequisite:** ITLN 1202 or High Distinction in ITLN 1102 or equivalent. **Prohibition:** ITLN 2101, ITLN 2301. **Assessment:** class work, assignments, tests.

ITLN 2201 revises and consolidates complex structures of the language.

Textbooks

Texts available from Department.

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 2202 Intermediate Italian Language 5

4 credit points. Dott. Marmini. **Session:** 2. **Classes:** 2 language tutorials and 1 oral/aural class per week. **Prerequisite:** ITLN 2101 or ITLN 2201. **Prohibition:** ITLN 2302. **Assessment:** class work, assignments, tests.

ITLN 2202 consolidates and expands skills in listening, speaking, reading and writing.

Textbooks

Course pack available from Copy Centre.

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 2301 Advanced Italian Language 3

4 credit points. Dott. Zanardi. **Session:** 1. **Classes:** 2 tutorials per week. **Prerequisite:** ITLN 1302 or ITLN 1402 or equivalent. **Prohibition:** ITLN 2101, ITLN 2201. **Assessment:** class work, assignments, tasks on-line, 2 class tests.

ITLN 2301 provides consolidation in and activation of all four language skills, with a particular emphasis on speaking and writing in more formal registers. Reflection on the language system aims at developing awareness at discursive level and self-awareness about individual language performance.

Textbooks

To be advised.

Recommended reference books

Silvestrini et al., L'Italiano e l'Italia. Grammatica con note di stile (Guerra).

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

Recommended dictionary

Zingarelli, Vocabolario della lingua italiana (Zanichelli).

ITLN 2302 Advanced Italian Language 4

4 credit points. Dott. Zanardi. **Session:** 2. **Classes:** 2 tutorials per week. **Prerequisite:** ITLN 2301 or equivalent. **Prohibition:** ITLN 2202. **Assessment:** class work, assignments, tests. Builds on ITLN 2301.

Textbooks

To be advised.

Recommended reference books

Silverstrini et al., *L'Italiano e l'Italia. Grammatica con note di stile* (Guerra).

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

Recommended dictionary

Zingarelli, *Vocabolario della lingua italiana* (Zanichelli).

ITLN 2801 Italian Exchange

8 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment.

ITLN 2802 Italian Exchange

8 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment.

ITLN 2803 Italian Exchange

8 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment.

ITLN 2806 Italian Exchange

4 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment.

ITLN 2807 Italian Exchange

4 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment.

ITLN 2808 Italian Exchange

4 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment.

ITLN 2809 Italian Exchange

4 credit points. Professor Nerida Newbigin. **Session:** 1, 2. Department permission required for enrolment. Department permission required for enrolment.

ITLN 2901 Italian 2 Honours: Methodologies

4 credit points. Professor Newbigin, Dr Rubino. **Session:** 2. **Classes:** 2 hr/wk. **Prerequisite:** Credit result in one of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, assignments.

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

ITLN 2901 introduces students to research methodologies and research in diverse aspects of Italian Studies. Skills acquired in this unit of study are indispensable for in-depth study in Italian Studies units.

Textbooks

Gibaldi, *MLA Handbook for Writers of Research Papers*, 6th edition, 2003 (Modern Language Association of America).

ITLN 2902 Italian 2 Honours: Cultural History

4 credit points. Professor Newbigin, Dr Modesto. **Session:** 1. **Classes:** One 2 hour seminar per week. **Prerequisite:** Credit result in one of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, essays.

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

Through analysis of representative texts and the exploration of their contexts, ITLN 2902 surveys major figures, works, schools and movements in Italian literary culture from the thirteenth to the nineteenth century. This unit may also be taken as part of the Pass degree.

Textbooks

Anthology of Authors from the Duecento to the Ottocento (from Copy Centre).

ITLN 3201 Advanced Italian Language 5

4 credit points. Dott. Marmini. **Session:** 1. **Classes:** 2 tutorials/wk. **Prerequisite:** ITLN 2202 or equivalent. **Prohibition:** ITLN 3301. **Assessment:** class work, assignments, tests.

ITLN 3201 furthers competence in the language, with a particular focus on the development of advanced reading and writing skills.

Textbooks

Texts available from department

Recommended dictionary

Zingarelli, *Vocabolario della lingua italiana* (Zanichelli).

ITLN 3202 Advanced Italian Language 6

4 credit points. Dott. Marmini. **Session:** 2. **Classes:** 2 tutorials per week. **Prerequisite:** ITLN 3201 or equivalent. **Prohibition:** ITLN 3302. **Assessment:** class work, assignments, tests, exam.

Builds on ITLN 3201.

Textbooks

Texts available from department

Recommended dictionary

Zingarelli, *Vocabolario della lingua italiana* (Zanichelli).

ITLN 3301 Advanced Italian Language 7

4 credit points. Dr Rubino. **Session:** 1. **Classes:** 2 tutorials per week. **Prerequisite:** ITLN 2302 or equivalent. **Prohibition:** ITLN 3201, ITLN 3401. **Assessment:** class work, assignments, tests.

ITLN 3301 furthers competence in the language, with a particular focus on the development of advanced reading and writing skills.

Textbooks

Texts available from department

Recommended dictionary

Zingarelli, *Vocabolario della lingua italiana* (Zanichelli).

ITLN 3302 Advanced Italian Language 8

4 credit points. Dr Rubino. **Session:** 2. **Classes:** 2 tutorials per week. **Prerequisite:** ITLN 3301 or equivalent. **Prohibition:** ITLN 3202, ITLN 3402. **Assessment:** class work, assignments, tests, exam.

Builds on ITLN 3301.

Textbooks

Texts available from department

Recommended dictionary

Zingarelli, *Vocabolario della lingua italiana* (Zanichelli).

ITLN 3401 Advanced Italian Language 9

4 credit points. Dr Rubino. **Session:** 1. **Classes:** 2 hr/wk. **Prerequisite:** ITLN 3202 or ITLN 3302 or equivalent. **Assessment:** class work, assignments.

Advanced composition in and translation into Italian, exploring modes, techniques and genres.

Textbooks

Texts available from department.

ITLN 3402 Advanced Italian Language 10

4 credit points. Dr Modesto. **Session:** 2. **Classes:** 1 2-hour seminar per week. **Prerequisite:** ITLN 3202 or ITLN 3302 or equivalent. **Assessment:** class work, assignments.

Translation and interpreting from and into Italian, exploring modes, techniques and genres.

Textbooks

Texts available from department.

ITLN 3701 Dante, Inferno

4 credit points. Dr Modesto. **Session:** 1. **Classes:** One 2-hour seminar per week. **Assumed knowledge:** One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:** class work, assignments, essay.

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 *Inferno*, the first cantica of the *Commedia*.

Textbooks

Dante, *La Divina Commedia, Inferno*, ed. N. Sapegno (La Nuova Italia) or an edition in Italian.

ITLN 3702 Dante: Purgatorio

4 credit points. Dr Modesto. **Session:** 2. **Classes:** 1 2-hour seminar per week. **Prerequisite:** ITLN 3701. **Assessment:** Class work, assignments, essay.

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

A study of *Purgatorio*, the second cantica of Dante's *Commedia*.

Textbooks

Dante's Textbooks:

Dante, *La Divina Commedia, Purgatorio*, ed. N. Sapegno (La Nuova Italia).

ITLN 3706 Renaissance Florence

4 credit points. Professor Newbigin. **Session:** 2. **Classes:** 2 hr/wk. **Assumed knowledge:** One of ITLN 1302, ITLN 1402, ITLN 2101, ITLN 2201. **Assessment:** class work, essay.

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.

Textbooks

Coursepack from Copy Centre.

ITLN 3715 Texts and Performance

4 credit points. Professor Newbigin. **Session:** 1. **Classes:** 1 2-hour seminar per week. **Assumed knowledge:** One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, essay.

Theoretical and practical sessions explore the performance implications of a number of modern theatre texts, including

Pirandello and Fo, and critical approaches to playtexts in the light of the transition from dramatic text to performance.

Textbooks

Coursepack from Copy Centre.

ITLN 3752 Italian Sociolinguistics

4 credit points. Dr Rubino. **Session:** 1. **Classes:** 1 2-hour seminar per week. **Assumed knowledge:** One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:** Classwork, assignments, essay.

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

An introduction to Italian Sociolinguistics and a study of the social and geographical variations of Italian.

Textbooks

Coursepack from Copy Centre.

ITLN 3753 Italian Language Acquisition

4 credit points. Dott. Marmini, Dott. Zanardi. **Session:** 2. **Classes:** 1 2-hour seminar. **Assumed knowledge:** One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:** classwork, essay.

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

A exploration of recent studies in Italian language acquisition within the framework of current theories of second language acquisition.

Textbooks

Coursepack from Copy Centre.

ITLN 3754 Italian in Contact

4 credit points. Dr Rubino. **Session:** 2. **Classes:** 1 2-hour seminar per week. **Assumed knowledge:** One of ITLN 1302, ITLN 1402, ITLN 2202 or equivalent. **Assessment:** class work, assignments, essay.

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

A sociolinguistic examination of Italian and its dialects in countries with high Italian migration, using the Italo-Australian context as a model.

Textbooks

Coursepack from Copy Centre.

ITLN 3757 Debates in Contemporary Italy

4 credit points. Dr Paolo Bartoloni. **Session:** 2. **Classes:** 2 hr/wk, in Italian. **Assumed knowledge:** One of ITLN 2101, ITLN 2201, ITLN 2301. **Assessment:** class work, essay.

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

Critical discourse in Italy is at one of its most engaging and interesting stages, especially at the level of literature and philosophy. This unit of study examines the national and international significance and relevance of Italian critics and philosophers. Texts by Giorgio Agamben, Adriana Cavarero and Aldo Gargani will be discussed, emphasising the function that literature and philosophy play for the understanding of contemporary phenomena.

Textbooks

Giorgio Agamben, *Infanzia e storia*
Adriana Cavarero, *Tu che mi guardi, tu che mi ascolti*
Aldo Gargani, *Il filtro creativo*

ITLN 3758 Contemporary Italian Poetry

4 credit points. Dr Bartoloni. **Session:** 1. **Classes:** 2 hrs/wk. **Assumed knowledge:** One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, essay.

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

This unit surveys developments and directions in Italian poetry in the twentieth century, with particular focus upon the post-WW2 era. Special attention will be given to poetic, literary and philosophical issues and, more specifically, to the function of poetic language as the intermediary between 'reality' and the invisible.

Textbooks

Texts available from Department

ITLN 3761 Sicilian Thrillers

4 credit points. Dr Mauceri. **Session:** 2. **Classes:** One 2 hour seminar per week. **Assumed knowledge:** One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:** Class presentation, essay.

This unit will analyse and discuss thrillers by contemporary Sicilian writers and some film versions of these texts. It aims to come to grips with the Mafia, probably the best known criminal organisation in the world, by studying fictional representations of it in literature and film. The texts will be the basis for a reflection on the historical and social roots of the Mafia and how it permeates Sicilian society.

Textbooks

Sciascia, *Il giorno della civetta* (Adelphi)

Sciascia, *A ciascuno il suo* (Adelphi)
Giordana, *I cento passi* (Feltrinelli).

ITLN 3763 Youth in Contemporary Italian Literature

4 credit points. Dr Mauceri. **Session:** 1. **Classes:** One 2-hour seminar per week. **Assumed knowledge:** ITLN 1302, ITLN 1402 or ITLN 2202. **Assessment:** 3000 word take-home essay (60%), 1000 word class work essay (30%), classwork discussion and presentation (10%).

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

This course examines a range of Italian novels from the second half of the twentieth century whose protagonists are young. We will conduct a literary analysis of the texts, considering aspects such as genre, viewpoint and style. Furthermore, we will analyse specific topics related to the themes of adolescence and youth such as the parent/child relationship, peer-relationships, the search for identity and the structure of the family, paying attention to the historical and social backgrounds of the texts. The reading of the novels will be complemented with the viewing of their film adaptations where these are available. This course will be conducted in Italian.

Textbooks

Moravia, A., *Agostino*, Bompiani, 2000
Ginzburg, N., *Caro Michele*, Einaudi, 1973
Culicchia, G., *Tutti giù per terra*, Garzanti, 1994

ITLN 4011 Italian Honours A

12 credit points. Professor Newbigin. **Session:** 1, 2. **Prerequisite:** Students must have qualified for the award of the Pass degree with a Major in Italian (32 Senior credit points). They will normally have completed an additional 16 credit points, of which 8 must be ITLN 2901 and ITLN 2902 (total 48 credit points). Intending Honours students should attain a Credit average result in Italian units of study taken at Senior level in their Major. **Assessment:** Class work, assignments, essays.

Department permission required for enrolment.

The Italian IV Honours program consists of six semester-length units of study, chosen in consultation with the coordinators, and an extended essay. The extended essay, 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 Department Research Seminar and to present a seminar paper on their extended essay topic.

ITLN 4012 Italian Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ITLN 4011. Refer to ITLN 4011

ITLN 4013 Italian Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ITLN 4012. Refer to ITLN 4011

ITLN 4014 Italian Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ITLN 4013. Refer to ITLN 4011

■ Japanese

JPNS 1111 Introductory Japanese 1

6 credit points. **Session:** 1, Summer. **Classes:** 4 hr/wk. **Prohibition:** JPNS 1113, JPNS 1114, JPNS 1115, any HSC Japanese or equivalent previous study of Japanese. **Assessment:** Continuous class assessment and semester exam.

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 100 kanji characters. Students are urged to take ASNS 1001 Modern Asian History and Cultures 1.

Textbooks

To be advised in the orientation period.

JPNS 1113 Introductory Japanese 5

6 credit points. **Session:** 1. **Classes:** 4 hr/wk. **Prerequisite:** Japanese Extension or Japanese Continuers 70% or above (or equivalent determined by the department). **Prohibition:** JPNS 1111, JPNS 1114, JPNS 1115. **Assessment:** Continuous class assessment and semester exam.

Students will begin with revision and extension of the basic communication skills: speaking, listening, reading and writing. They will gradually develop the ability to express their own opinion about social and cultural topics. Students will also read elementary authentic Japanese texts in a wide range of writing styles and on various topics. Through reading the texts, they will learn to use dictionaries and other reference sources and develop their skill to learn Japanese independently.

Students will be able to write about 250 kanji and recognise about 500 kanji.

JPNS 1114 Introductory Japanese 3

6 credit points. **Session:** 1. **Classes:** 4 hr/wk. **Prerequisite:** 65% or more in HSC Japanese Beginners or less than 70% in HSC Japanese Continuers. **Prohibition:** JPNS 1111, JPNS 1113, JPNS 1115.

Assessment: Continuous assessment, including class quizzes, tests and written assignments, and a 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 keep up a conversation for a short time in a dialogue, to write a well-structured short passage without the assistance of dictionaries, to read fairly long narrative texts, and to recognise the difference between written and spoken modes of communication in Japanese.

JPNS 1121 Introductory Japanese 2

6 credit points. **Session:** 2, Summer. **Classes:** 4 hr/wk. **Prerequisite:** JPNS 1111. **Prohibition:** JPNS 1125, JPNS 1124, JPNS 1123.

Assessment: Continuous class assessment, including assessment of group work, and semester exam.

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 100, and to recognise more than 200 kanji characters in context.

JPNS 1123 Introductory Japanese 6

6 credit points. **Session:** 2. **Classes:** 4 hr/wk. **Prerequisite:** JPNS 1113.

Prohibition: JPNS 1121, JPNS 1124, JPNS 1125. **Assessment:** Continuous class assessment and semester examination.

Students will develop the ability to discuss and present their views on social and cultural topics based on a limited range of research. They will continue to read elementary authentic Japanese texts but with an emphasis on deep comprehension and appreciation of a variety of styles. Students will increase their ability for independent learning skills through reading texts, listening to tapes, planning an interview project, and delivering a speech.

They will be able to write about 350 kanji and recognise about 900 kanji.

JPNS 1124 Introductory Japanese 4

6 credit points. **Session:** 2. **Classes:** 4 hr/wk. **Prerequisite:** JPNS 1114.

Prohibition: JPNS 1121, JPNS 1123, JPNS 1125. **Assessment:** Continuous class assessment, including class quizzes and tests, and a 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 short stories.

JPNS 1125 Introductory Japanese 8

6 credit points. **Session:** 2. **Classes:** 4 hr/wk. **Prerequisite:** JPNS 1115.

Prohibition: JPNS 1121, JPNS 1123, JPNS 1124. (may not normally be taken by native speakers of Japanese). **Assessment:** Continuous class assessment and semester examination (total equivalent to 2500 word essay) and 2 hour examination.

This unit for students with considerable experience using Japanese in Japan, will build on the skills acquired in JPNS 1115 for further develop advanced communication and critical thinking skills in Japanese. Students will improve their ability to discuss and present their views on a wider range of social and cultural topics. They will also continue to increase their independent learning skills through reading more advanced Japanese texts, listening to tapes and making speeches in Japanese.

By the end of this unit students will be able to write approximately 350 kanji and recognise around 900 kanji.

JPNS 1801 Japanese Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

JPNS 2212 Intermediate Japanese 1

8 credit points. **Session:** 1. **Classes:** 4 hr/wk. **Prerequisite:** JPNS 1121.

Assessment: Continuous assessment, including class quizzes, tests and written assignments, and a 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 keep up a conversation for a short time in a dialogue, to write a well-structured short passage without the assistance of dictionaries, to read fairly long narrative texts, and to recognise the difference between written and spoken modes of communication in Japanese.

JPNS 2213 Intermediate Japanese 3

8 credit points. **Session:** 1. **Prerequisite:** JPNS 1124 or JPNS 2222.

Prohibition: JPNS 2201. **Assessment:** Continuous assessment (equivalent to 40000 words) and 2 hour exam.

This unit of study aims to develop students' speaking, writing and reading skills for intermediate level 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; and write about 350 kanji and recognise at least 500 kanji. Writing and reading practice will consolidate grammatical, lexical and cultural knowledge.

JPNS 2222 Intermediate Japanese 2

8 credit points. **Session:** 2. **Classes:** 4 hr/wk. **Prerequisite:** JPNS 2212.

Assessment: Continuous assessment, including class quizzes, tests and written assignments, and a semester exam equivalent to 6000 words.

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 short stories.

JPNS 2223 Intermediate Japanese 4

8 credit points. **Session:** 2. **Prerequisite:** JPNS 2213. **Prohibition:** JPNS 2202. **Assessment:** Continuous assessment (equivalent to 3000 words) and 2 hour examination.

This unit of study aims to consolidate and extend intermediate level linguistic skills, acquiring conversational strategies such as notions of apologies, reasoning, opinions and explanations. Besides oral practice, writing and reading practice will help to consolidate grammatical, lexical and cultural knowledge. You will be able to read about 700 kanji and write some 500 kanji by the end of the semester. The above aims will be achieved by exploring various topics relating to contemporary Japan.

JPNS 2301 Japanese Communication Intermediate 5

4 credit points. **Session:** 1. **Classes:** 2 hr/wk. **Prerequisite:** JPNS 1123 or JPNS 2202. **Assessment:** Continuous assessment, essay and semester exam.

Classes will involve a range of learning strategies to improve students' communication skills. These will include discussion, debates, interviews, short surveys, composition and short translation exercises.

Textbooks

To be advised in class

JPNS 2302 Japanese Communication Intermediate 6

4 credit points. **Session:** 2. **Classes:** 2 hr/wk. **Prerequisite:** JPNS 2301.

Assessment: Continuous assessment, essay and semester exam.

Classes will involve a range of learning strategies to consolidate and extend students' communication skills. These will include discussion, debates, interviews, short surveys, composition and short translation exercises.

Textbooks

To be advised in class

JPNS 2308 Readings in Japanese Linguistics

8 credit points. Prof H. Clarke. **Session:** 2. **Classes:** 3hr/wk.

Prerequisite: JPNS 1123, JPNS 1125 or JPNS 2202 or JPNS 2301 or JPNS 2501. **Assessment:** Continuous class assessment, essay and semester exam.

Reading of selected Japanese articles on a variety of topics in linguistics, examination of typological characteristics of the Japanese language and the interaction between language and society/culture. Native speakers of Japanese may enrol in this subject.

Textbooks

To be advised in class.

JPNS 2314 Introduction to Japanese Society

8 credit points. Ms Ishii. **Session:** 2. **Classes:** 3hr/wk. **Prerequisite:** JPNS 1123, JPNS 1125 or JPNS 2202 or JPNS 2301 or JPNS 2501.

Assessment: Continuous class assessment, class presentation, essay and semester exam.

This unit of study is designed to expose students to a range of social and cultural issues facing present day Japan by using

selected texts and undertaking limited research. Students develop rapid reading skills and learn how to summarise the content of the texts.

Textbooks

To be advised in class.

JPNS 2316 Power in Japanese Politics and Society

8 credit points. **Session:** 1. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisite:** JPNS 1123 or JPNS 1125 or JPNS 2202. **Prohibition:** ASNS 2306. **Assessment:** Tutorial writing tasks equivalent to 1500 words and participation in tutorial discussions, 2500 word essay, 2 hour examination.

It is alleged that, at the national level, power in Japan has been monopolized since 1945 by much the same clique, but also that it is never where it seems to be – that it is based on consensus, bottom-up decision making, but is also deeply authoritarian. Through both Japanese and English sources, we will focus on exercise of power in contemporary politics, administration, and private enterprise as well as psycho-sociology, education, political and moral thought, and economic structures.

JPNS 2381 In-Country Study – Japan 1

8 credit points. **Session:** 1, 2. **Prerequisite:** 12 Junior JPNS credit points. **Assessment:** As required by host institution.

Department permission required for enrolment.

Students should consult the Chair of Department before enrolling in this unit

JPNS 2382 In-Country Study – Japan 2

8 credit points. **Session:** 1, 2. **Prerequisite:** 12 Junior JPNS credit points. **Assessment:** As required by the host institution.

Department permission required for enrolment.

Approved Course in a tertiary level institution in Japan.

JPNS 2501 Japanese Communication Intermediate 7

4 credit points. **Session:** 1. **Prerequisite:** JPNS 1125. **Prohibition:** JPNS 2301. **Assessment:** Continuous assessment and 1 hour semester exam.

This unit, which has been specifically designed for those advanced students who have successfully completed JPNS 1115, will provide students further training to develop more elaborate communication skills suitable for formal situations. Students will widen their understanding of social and cultural issues and express their own opinions in public using appropriate language and style. Another important skill developed in this unit is to understand views of others and to comment on them constructively and critically.

JPNS 2502 Japanese Communication Intermediate 8

4 credit points. **Session:** 2. **Prerequisite:** JPNS 2501. **Prohibition:** JPNS 2302. **Assessment:** .

This unit of study will provide advanced students with opportunities to build on the skills acquired in JPNS 2501 to further develop advanced communication and critical thinking skills in Japanese. Students will be encouraged to use their communication skills by conducting an interview project. They will develop the way to conduct an interview with Japanese native speakers using appropriate language and style. They will analyse the data collected and write an essay based on the interview in Japanese.

JPNS 2801 Japanese Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

JPNS 2802 Japanese Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

JPNS 2803 Japanese Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

JPNS 2807 Japanese Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

JPNS 2808 Japanese Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

JPNS 2901 Japanese Special Entry 1

4 credit points. **Session:** 1. **Classes:** Seminar 2 hr/wk. **Prerequisite:** Credit results in 12 Junior JPNS units of study. **Corequisite:** JPNS 2201 or JPNS 2212 or JPNS 2301 or JPNS 2501. **Assessment:** Continuous assessment, 2000 word essay and oral presentation.

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 opportunities to conduct limited research using Japanese language materials appropriate to their level of Japanese language proficiency. Emphasis will be on development of critical analytical thinking and essay writing skills.

JPNS 2902 Japanese Special Entry 2

4 credit points. **Session:** 2. **Classes:** Seminar 2 hr/wk. **Prerequisite:** JPNS 2901. **Corequisite:** JPNS 2202 or JPNS 2222 or JPNS 2302 or JPNS 2502. **Assessment:** Continuous assessment, 2000 word essay and oral presentation.

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 opportunities to conduct limited research using Japanese language materials appropriate to their level of Japanese language proficiency. Emphasis will be on development of critical analytical thinking and essay writing skills in an area of Japanese Studies different from that introduced in JPNS 2901.

JPNS 3106 Introduction: Japanese Society & Culture

8 credit points. Ms Yasumoto. **Session:** 2. **Classes:** 3hr/wk.

Prerequisite: JPNS 1124 or JPNS 2222. **Assessment:** Continuous class assessment, essay and semester exam.

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 and thinking skills. Students are expected to do research in the library or access information on the Internet about the topic which will be covered in class each week.

Textbooks

To be advised in class. Additional articles from newspapers and journals.

JPNS 3116 Contemporary Japanese Literature

8 credit points. Dr Claremont. **Session:** 1. **Classes:** 3 hr/week.

Prerequisite: JPNS 1124 or JPNS 2222. **Assessment:** Essay and semester exam.

Selected works of a major contemporary novelist will be studied in class. Students are expected to read other works by the same author in English translation outside class.

Textbooks

To be advised in class.

JPNS 3301 Japanese Communication Advanced 1

4 credit points. **Session:** 1. **Classes:** 2 hr/wk. **Prerequisite:** JPN 2302 or JPNS 2502. **Assessment:** Continuous class assessment, essay and semester exam.

This unit aims at the further development of communication skills beyond the intermediate level. The goals of the unit include: aural comprehension of language on various topics from Japanese culture, society and current affairs; understanding of unfamiliar texts of a nonspecialist nature; the ability to summarise and critically evaluate information; and expression of opinion based on a wide range of research. Students are required to be able to write at least 500 kanji and recognise about 1500 kanji.

Textbooks

To be advised in class.

JPNS 3302 Japanese Communication Advanced 2

4 credit points. **Session:** 2. **Classes:** 2 hr/wk. **Prerequisite:** JPNS 3301. **Assessment:** Continuous class assessment, essay and semester exam.

This unit aims at the further development of advanced communication skills. Students are required to be able to write at least 800 kanji and recognise about 2000 kanji.

Textbooks

To be advised in class.

JPNS 3314 Readings in Japanese Society

8 credit points. Dr Shao. **Session:** 1. **Classes:** 3hr/wk. **Prerequisite:** JPNS 2302 or JPNS 2502. **Assessment:** Continuous class assessment, essay and semester examination.

The unit of study aims to increase students' ability to read quickly with good comprehension whilst giving them greater understanding of Japanese society and culture. Assigned reading materials will be reviewed and discussed in class under the lecturer's guidance.

Textbooks

To be advised in class

JPNS 3901 Japanese Special Entry 3

4 credit points. **Session:** 1. **Classes:** Seminar 2 hr/wk. **Prerequisite:** Credit results in JPNS 2901 and JPNS 2902. **Corequisite:** JPNS 2201 or JPNS 2301 or JPNS 3301. **Assessment:** Continuous assessment, 2000 word essay and oral presentation.

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 the formulation and writing of research projects in Japanese studies. Students will learn how to conduct a literature review in an area of their interest. In addition to background reading in English, students will be required to conduct research in Japanese language materials appropriate to their level of Japanese language proficiency. Emphasis will be on improving analytical thinking skills and critical scholarly writing.

JPNS 3902 Japanese Special Entry 4

4 credit points. **Session:** 2. **Classes:** Seminar 2 hr/wk. **Prerequisite:** JPNS 3901. **Corequisite:** JPNS 2202 or JPNS 2302 or JPNS 3302. **Assessment:** Continuous assessment, 1000 word critical review, oral presentation, 2000 word research proposal.

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

This unit is intended to train students to select and evaluate an area of research in Japanese studies and to prepare research proposals for their Honours IV theses. In particular, students will learn how to evaluate secondary sources in their chosen research area and choose a theoretical model appropriate to their proposed research project.

JPNS 4011 Japanese Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Credit result in JPNS 3901 and JPNS 3902. **Assessment:** Written assignment and / or exam.

Department permission required for enrolment.

Coursework in one of the following areas: Japanese linguistics, thought, history, or literature.

JPNS 4012 Japanese Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** JPNS 4011. **Assessment:** Written assignment and / or exam.

Coursework in one of the following areas: Japanese linguistics, thought, history, or literature.

JPNS 4013 Japanese Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** JPNS 4012. **Assessment:** Written assignment and / or exam.

Coursework in one of the following areas: Japanese linguistics, thought, history, or literature.

JPNS 4014 Japanese Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** JPNS 4013. **Assessment:** Thesis (15000–20000 words).

Students will be required to write a 15000–20000 word thesis on an approved Japanese topic.

■ Jewish Civilisation, Thought and Culture

JCTC 1001 Palestine: Roman Rule to Islam

6 credit points. A/Prof Rutland. **Session:** 1. **Classes:** One 2 hour lecture, one 2 hour tutorial per week. **Assessment:** One 2-hour exam 40%, one essay 30%, one 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 (2 hours 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 2004.

Textbooks

Johnson, P., *A History of the Jews*, 3rd ed. London: Phoenix Press, 2001.
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. Dr Rutland. **Session:** 2. **Classes:** One 2 hour lecture, one 2-hr tutorial per week. **Prerequisite:** JCTC 1001. **Assessment:** One 2-hour exam 40%, one essay 30%, 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, also 2 hours 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. **Session:** 1, 2.

Department permission required for enrolment.

JCTC 2003 Jews Under the Crescent and the Cross

8 credit points. A/Prof Rutland. **Session:** 1. **Classes:** 2 hours of lectures, 1 tutorial per week. **Prerequisite:** JCTC 1001 or relevant units in Medieval Studies or History. **Assessment:** One 2-hour exam 40%, one essay 30%, tutorial paper 20%, class participation 10%.

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. Was there really a Golden Age for Jews in Spain? How positive was their experience under Muslim rule and later under the Christians? Was there a symbiosis of Jewish life of Spain? The course will also explore the experiences of Jews under Christian rule in Germany, France and England in the Medieval period. Issues of Christian antisemitism, including the satanic image of Jews which developed in this period, Catholic anti-Jewish decrees, expulsions and the Crusades, will be explored. This is a seminal period in the development of Jewish thought, with the contribution of great commentators and philosophers. Students will undertake an in depth study of Maimonides' 13 Principles of Faith and his writings on Ethics.

JCTC 2004 From Expulsion to Regeneration

8 credit points. A/Prof Rutland. **Session:** 2. **Classes:** 2 hours of lectures, 1 tutorial per week. **Prerequisite:** JCTC 1001 or relevant units of study in Medieval Studies or History. **Assessment:** One 2-hour exam 40%, one essay 30%, tutorial paper 20%, class participation 10%.

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. Polish Jewry developed distinctive features through periods of acceptance and turbulence. The responses to that turbulence included False Messiahs, Jewish mysticism and the beginnings of Hassidism. Concluding with the dawn of the emancipation, and the reestablishment of Jewish communities in the Netherlands and England, students will gain an insight into the lifting of medieval restrictions against the Jews. Explore the development of Jewish languages, such as Ladino and Yiddish, the writings of Jewish mystic, Issac Luria and the philosophy of Spinoza. Gain a greater understanding of ethical issues including regard for human life, social justice, attitudes to women and charity.

JCTC 2005 From Emancipation to the Holocaust

8 credit points. A/Prof Rutland. **Session:** 1. **Classes:** 2 hours of lectures, 1 hour option and 1 tutorial per week. (Total 4 hrs/week). **Prerequisite:** JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY 1031, HSTY 1043, HSTY 1044, HSTY 1045. **Assessment:** One 3-hour exam 40%, one essay 30%, tutorial paper 20%, class participation 10%.

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

This course surveys the beginning of religious change and controversy from the period of enlightenment and emancipation. The ending of medieval anti-Jewish restrictions led to a period of optimism of full acceptance of Jews into the broader society during the nineteenth century. Students will then examine the beginnings of modern antisemitism through to the tragedy of the Holocaust, a period of the destruction of European Jewry. This is one of the most significant periods in the development of Jewish

civilisation when ancient traditions faced the challenges of modernity. Develop an understanding of how both Jewish and non-Jewish society responded to these challenges, and the ways in which Jewish thought and culture changed. The course also aims to develop an understanding of European Jewry's relationship with the majority gentile society during this period of ferment and change and why the end result was the tragedy of the Holocaust. The course includes two options, one dealing with ethical topics and modern German Jewish thinkers, and the other dealing with interpretation of historical sources.

JCTC 2006 **The Holocaust: History and Aftermath**

8 credit points. A/Prof Rutland. **Session:** 2. **Classes:** 2 hours lectures, 1 tutorial per week. **Prerequisite:** JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY 1031, HSTY 1043, HSTY 1044, HSTY 1045. **Assessment:** One 3 hour exam 40%, one essay 30%, tutorial paper 20%, class participation 10%.

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

Over 50 years after the end of World War II the issues relating to the Holocaust (Shoah) are constantly being discussed in both the academic and public arenas. This course provides an in-depth study of one of the seminal and most traumatic events of the 20th century. Explore the motivation behind the process of mass destruction of European Jewry and the reaction of the allies and countries of the free world. Understand how 'ordinary men' were transformed into genocidal killers. Deal with the ongoing saga of Holocaust denial as well as the present day war crimes trials and Holocaust remembrance. This course and its message retain their relevance today as can be seen in the tragedies of Kosovo and East Timor. The Holocaust is an area of great historical debate. Take this opportunity to cover concerns in current historiography by studying the Holocaust and its aftermath.

JCTC 2007 **Israel in the Modern Middle East**

8 credit points. A/Prof Rutland. **Session:** 1. **Classes:** 2 hours of lectures, 1 tutorial per week. **Prerequisite:** JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY 1031, HSTY 1043, HSTY 1044, HSTY 1045. **Assessment:** One 2 hour exam 40%, one essay 30%, one tutorial paper 20%, class participation 10%.

Israel's position in the modern Middle East and the wider world from state formation to the present has been shaped by social, political and economic processes. Study these processes in the context of the major domestic and foreign policy decisions taken by Israeli leaders in connection with the Middle East and beyond. Topics to be studied include: the beginnings of Zionist immigration to Palestine to the formation of the state of Israel; domestic concerns, foreign policy issues resulting from the 1948 to 1973 wars, and the present peace process from 1973 to the present; and Israel's relations with the superpowers.

JCTC 2801 **Jewish Civilization Exchange**

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

JCTC 2802 **Jewish Civilization Exchange**

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

JCTC 2803 **Jewish Civilization Exchange**

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

JCTC 2804 **Jewish Civilization Exchange**

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

JCTC 2807 **Jewish Civilization Exchange**

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

JCTC 2808 **Jewish Civilization Exchange**

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

JCTC 4011 **Judaic Studies Honours A**

12 credit points. A/Prof Rutland. **Session:** 1, 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. 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: Literature of the Biblical Period, Jewish Sages and their Institutions, 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 Responses 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. **Session:** 1, 2. **Corequisite:** JCTC 4011.
Refer to JCTC 4011.

JCTC 4013 **Judaic Studies Honours C**

12 credit points. **Session:** 1, 2. **Corequisite:** JCTC 4012.
Refer to JCTC 4011.

JCTC 4014 **Judaic Studies Honours D**

12 credit points. **Session:** 1, 2. **Corequisite:** JCTC 4013.
Refer to JCTC 4011.

■ Korean

KRNS 1101 **Korean Introductory Level 1**

6 credit points. Dr Kwak. **Session:** 1. **Classes:** 4hr/wk. **Prohibition:** KRNS 1301. **Assessment:** Continuous class assessment, semester exam.

This unit of study is a comprehensive beginners' course which will lay the foundation for acquiring oral, aural, reading and writing skills in Korean. The primary emphasis is on the spoken language in terms of communicative function. The secondary emphasis is on reading and writing skills within the bounds of basic grammatical structures.

Conversation: Students will acquire oral communication skills based on the given topics of conversation. Approximately one topic will be covered each week. Various communicative approaches will be employed for the weekly class activities. Students are required to give small group oral presentations during the semester.

Reading and writing: The reading of simple Korean texts will be introduced from the fifth week of the semester. In addition to the set textbook, extra reading materials will be distributed in class. On the basis of grammatical structures introduced, students develop practical written communication skills. Exercises include the writing of memos, letters, and the description of objects and simple events.

KRNS 1102 **Korean Introductory Level 2**

6 credit points. Dr Kwak. **Session:** 2. **Classes:** 4hr/wk. **Prerequisite:** KRNS 1101. **Prohibition:** KRNS 1302. **Assessment:** Continuous class assessment, semester exam.
Refer to KRNS 1101

KRNS 1301 **Korean Introductory Level 5**

6 credit points. Dr Park. **Session:** 1. **Classes:** 2hr/wk. **Prohibition:** KRNS 1101. **Assessment:** Continuous class assessment, semester exam.

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, and newspaper and magazine articles. The textbooks and lessons are well structured in a user friendly way: 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 learners opportunities to discuss some serious contemporary social cultural issues in Korean, while the composition section gives learners an opportunity to write something related to the topics discussed.

KRNS 1302 **Korean Introductory Level 6**

6 credit points. Dr Park. **Session:** 2. **Classes:** 2hr/wk. **Prerequisite:** KRNS 1301. **Prohibition:** KRNS 1102. **Assessment:** Continuous class assessment, semester exam.
Refer to KRNS 1301.

KRNS 1801 **Korean Exchange**

6 credit points. **Session:** 1, 2.
Department permission required for enrolment.

KRNS 2001 Intermediate Korean Level 1

8 credit points. Dr Kwak. **Session:** 1. **Classes:** 3hr/wk. **Prerequisite:** KRNS 1102. **Prohibition:** KRNS 2101, KRNS 2111. **Assessment:** Continuous class assessment consisting of 10 weekly assignments of 200 words, two oral tests and one 2 hour semester-final exam.

As an intermediate language unit, students are expected to gain extensive language skills in a diverse range of communicative settings. Interactive exercises and activities will provide students with opportunities to practice and improve their skills in speaking, reading and writing.

KRNS 2002 Intermediate Korean Level 2

8 credit points. Dr Kwak. **Session:** 2. **Classes:** 3hr/wk. **Prerequisite:** KRNS 2001 or KRNS 2111. **Prohibition:** KRNS 2102, KRNS 2112.

Assessment: Continuous class assessment, consisting of 10 weekly assignments of 200 words, two oral tests and one final written exam.

This unit of study follows on from KRNS 2001 Korean Intermediate 1. It is designed to extend the students' command of the Korean language at a level higher than they already completed.

KRNS 2317 Introduction to Korean Phonology

8 credit points. Dr Park. **Session:** 1. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisite:** 12 Junior credit points of KRNS or LNGS.

Prohibition: KRNS 2318. **Assessment:** Weekly assignments, semester exam.

This unit of study is to introduce the sound system of the Korean language – Korean phonology. Some linguistics background is recommended, although it is not necessary. In addition to the two-hour lecture, there will be one-hour seminar in which further detailed issues are discussed in depth. From the fifth week, there will be one or two weekly problem solving assignments.

KRNS 2381 In-Country Study – Korea 1

8 credit points. Dr Park. **Session:** 1. **Classes:** 3hr/wk. **Prerequisite:** KRNS 1102 or KRNS 1302.

Department permission required for enrolment.

Students should consult the Chair of Department before enrolling in this unit.

KRNS 2382 In-Country Study – Korea 2

8 credit points. Dr Park. **Session:** 2. **Classes:** 3hr/wk. **Prerequisite:** KRNS 2102 or KRNS 2312 or KRNS 2381.

Department permission required for enrolment.

Students should consult the Chair of Department before enrolling in this unit.

KRNS 2400 Translation and Interpretation

8 credit points. Dr Mohan. **Session:** 1. **Prerequisite:** KRNS 1302.

Assessment: Continuous assessment, consisting of 10 weekly tasks, each equivalent to 400 words, and two 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 Korean-English interpretation. Students will learn how to translate and interpret texts chosen from both print and audio-visual media from a range of fields, including society, culture, politics, economy, science and technology.

KRNS 2515 Issues in Korean Language

8 credit points. Dr Park. **Session:** 2. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisite:** KRNS 1302. **Assessment:** Class presentation of a project and its 3000 word report, semester exam.

This unit provides a detailed survey of issues related to the Korean language in relation to its social and historical background. The topics include its romanisation systems, historical development, writing systems, dialects and slang expressions, language use in media, language use and gender, and Korean as a foreign language. In addition to a semester-final examination, students are required to conduct an individual or a group project to tackle some of the residual problems that have arisen from the class discussion or reading. Students are required to present the result of their project in the class and to submit a written report in 3000 words.

KRNS 2600 Korean Perspectives on East Asian Media

8 credit points. Dr Kwak. **Session:** 1. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisite:** 12 Junior credit points of KRNS. **Prohibition:** ASNS 2600. **Assessment:** One 3000 word essay, one 1500 word tutorial paper and final exam.

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, through the medium of the Korean language as well as English.

The unit covers various aspects of mass media in the region, such as the social and cultural roles of the media, state control, and the implications of the emergence of new communications technologies.

KRNS 2601 Traditional Korean History

8 credit points. Dr Mohan. **Session:** 1. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisite:** 12 Junior credit points of KRNS. **Prohibition:** KRNS 2501, ASNS 2501. **Assessment:** One 3000 word essay, one 1500 word tutorial paper and final exam.

The unit of study aims at providing an overview of Korea's historical experience in political, social, cultural and economic fields from the early times to the nineteenth century, through the medium of the Korean language as well as English. Students will use Korean language materials commensurate with their level of proficiency in Korean. Topics will include myths and legends of early Korea, state formation, political and social institutions of various Korean kingdoms, and religious beliefs and cultural traditions in early and medieval history.

KRNS 2602 Modern Korean History

8 credit points. Dr Mohan. **Session:** 2. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisite:** 12 Junior credit points of KRNS. **Prohibition:** ASNS 2502, KRNS 2502. **Assessment:** One 3000 word essay, one 1500 word tutorial paper and final exam.

This unit of study aims at introducing students to the political, social, cultural and economic history of Korea from the late nineteenth century to the present day, through the medium of the Korean language as well as English. Topics will include the late Choson dynasty society, the reaction of the Korean people to western and Japanese incursion, the Korean War and subsequent political and economic development.

KRNS 2611 Korean Media

8 credit points. Dr Kwak. **Session:** 2. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisite:** 12 Junior credit points of KRNS. **Prohibition:** KRNS 2511, ASNS 2511. **Assessment:** One 3000 word essay, one 1500 word tutorial paper and one final exam.

This unit introduces students to the dynamics of media in South Korea by examining its processes, policies and practices. The main features of media in Korea are discussed through the medium of the Korean language as well as English. Students will use Korean language materials and are expected to develop their reading, writing and reporting skills in Korean. The major topics range from the historical development of mass media to the emergence of new media technology and its impact on current media structure and on Korean society.

KRNS 2801 Korean Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

KRNS 2802 Korean Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

KRNS 2803 Korean Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

KRNS 2807 Korean Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

KRNS 2808 Korean Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

KRNS 2900 Topics in Korean Studies

4 credit points. **Session:** 2. **Classes:** 2hr/wk. **Prerequisite:** Credits in all the first year and the second year first semester KRNS units.

Corequisite: KRNS 2112 or KRNS 2312. **Prohibition:** KRNS 2191, 2192, 2391, or 2392. **Assessment:** Continuous class assessment, 3000w paper.

This subject is for students who want to pursue an Honours degree in Korean Studies. Students will learn various approaches for conducting research, and specific research methodologies are discussed. Students will have an opportunity to conduct a pilot study on a chosen topic.

KRNS 3001 Korean Advanced Level 1

8 credit points. Dr Kwak. **Session:** 1. **Classes:** 3hr/wk. **Prerequisite:** KRNS 2002 or KRNS 2112. **Prohibition:** KRNS 3101, KRNS 3111.

Assessment: Continuous class assessment, consisting of 10 weekly assignments of 200 words, two oral tests and one final written exam.

This unit of study aims to further develop oral and written communication skills beyond the intermediate level. Students

will concentrate on fluency in oral communication with particular emphasis on developing the more formal aspects of Korean speech. Reading and writing skills are developed through the use of structured texts from the textbook and selected authentic reading materials.

KRNS 3002 Korean Advanced Level 2

8 credit points. Dr Kwak. **Session:** 2. **Classes:** 3hr/wk. **Prerequisite:** KRNS 3001 or KRNS 3111. **Prohibition:** KRNS 3102, KRNS 3112. **Assessment:** Continuous class assessment, two oral tests and one final written exam.

This unit of study follows on from KRNS 3001 Advanced Korean Level 1. It is designed to extend the students' command of the Korean language at a level higher than they already completed.

KRNS 3901 Preparation for Honours Thesis 1

4 credit points. **Session:** 1. **Classes:** 2hr/wk. **Prerequisite:** Credits in the second year KRNS units including KRNS 2900. **Corequisite:** KRNS 3111 or KRNS 3311. **Prohibition:** KRNS 3191 or KRNS 3391. **Assessment:** Continuous class assessment, a presentation and a 3000w research paper.

This unit is for students who pursue an Honours degree in Korean Studies. As a research-focus unit, the unit deals with the major issues in doing research in Korean Studies. Students will produce a research paper on an approved topic in Korean Studies. The issues on methodology, logic and argument arise from the work of each student will be discussed.

KRNS 3902 Preparation for Honours Thesis 2

4 credit points. **Session:** 2. **Classes:** 2hr/wk. **Prerequisite:** Credits in all KRNS units taken by the first semester of the third year including KRNS 3901. **Corequisite:** KRNS 3112 or KRNS 3312. **Prohibition:** KRNS 3192 or KRNS 3392. **Assessment:** Credits in all KRNS units taken by the first semester of the third year including KRNS 3901.

This unit is for students who pursue an Honours degree in Korean Studies. Students will produce a research proposal on an approved topic in Korean Studies. Students are expected to attend either the Department/School seminar or special seminar convened by the unit of the study coordinator

KRNS 4011 Korean Honours A

12 credit points. **Session:** 1, 2. **Classes:** 2hr/wk seminar. **Prerequisite:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Assessment:** Will be based on seminar coursework. 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. **Session:** 1, 2. **Prerequisite:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisite:** KRNS 4011. **Assessment:** Will be based on seminar coursework. Refer to KRNS 4011.

KRNS 4013 Korean Honours C

12 credit points. **Session:** 1, 2. **Prerequisite:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisite:** KRNS 4012. **Assessment:** will be based on seminar coursework. Refer to KRNS 4011

KRNS 4014 Korean Honours D

12 credit points. **Session:** 1, 2. **Prerequisite:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisite:** KRNS 4013. **Assessment:** 15000–20000w thesis. Students will be required to write a 15000–20000 word thesis on an approved topic in Korean studies.

Latin

LATN 1001 Latin 1.1

6 credit points. Dr P Watson. **Session:** 1. **Classes:** 4 lec & 1hr tut/wk. **Prohibition:** LATN 1101. **Assessment:** One 2hr exam, and exercises, assignments and tests (equivalent to 2,000w).

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 foundation for acquiring 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, and 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

Study materials can be procured from the University Copy Centre. A small or medium-sized Latin dictionary is recommended too (see under Latin Language Study).

LATN 1002 Latin 1.2

6 credit points. **Session:** 2. **Classes:** 4 lec & 1hr tut/wk. **Prerequisite:** LATN 1001. **Prohibition:** LATN 1102. **Assessment:** One 2 hr exam, and exercises, assignments and tests (equivalent to 2,000w).

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, and 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

Study materials can be procured from the University Copy Centre. A small or medium-sized Latin dictionary is recommended too (see under Language Study).

LATN 1101 Advanced Latin 1.1

6 credit points. Ms F Muecke. **Session:** 1. **Classes:** 4 classes/wk. **Prerequisite:** HSC Latin Continuers. **Prohibition:** LATN 1001. **Assessment:** One 2hr exam, one 1,500w essay, and exercises, assignments and tests (equivalent to 1,000w).

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.

Authors and texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year.

Reading course (1 class/wk): Close study of Latin texts to develop reading and comprehension skills.

Language study (1 class/wk): Students will normally take Language Level 3 but may be allocated to Level 2.

LATN 1102 Advanced Latin 1.2

6 credit points. Ms F Muecke. **Session:** 2. **Classes:** 4 classes/wk. **Prerequisite:** LATN 1101. **Prohibition:** LATN 1002. **Assessment:** One 2hr exam, one 1,500w essay, and exercises, assignments and tests (equivalent to 1,000w).

Works for detailed study (2 lec/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.

Authors and texts to be studied will be listed on the Latin Notice board before the end of teaching in Semester 2 of the previous year.

Reading course (1 class/wk): Close study of Latin texts to develop reading and comprehension skills.

Language study (1 class/wk): Students will normally take Language Level 2 or 3: see entry under LATN 1101.

LATN 2003 Latin 2.1

8 credit points. Dr P Watson. **Session:** 1. **Classes:** 4 classes/wk. **Prerequisite:** LATN 1002. **Assessment:** One 1 hr and one 2 hr exam, one 1,500w, and exercises (equivalent to 1,500).

Works for detailed study (Classes 2hr/wk): Students will study one or two Latin authors. Authors and texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year.

Reading course (1 hr/wk): Close study of Latin texts, to develop reading and comprehension skills.

Language study (1 hr/wk): 2003 students will normally take Language Level 2.

LATN 2004 Latin 2.2

8 credit points. **Session:** 2. **Classes:** 4 classes/wk. **Prerequisite:** LATN 2003. **Assessment:** One 1 hr and one 2 hr exam, one 1,500w essay, and exercises (equivalent to 1,500w).

Works for detailed study (2hr/wk): Students will study two Latin authors. Authors and texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year.

Reading course (1 hr/wk): Close study of Latin texts, to develop reading and comprehension skills.

Language study (1 hr/wk): 2004 students will normally take Language Level 2.

LATN 2103 Advanced Latin 2.1

8 credit points. Assoc Prof D Hoyos. **Session:** 1. **Classes:** 4 classes/wk. **Prerequisite:** LATN 1102. **Assessment:** One 2 hr exam, one take-home exam (equivalent to 1,000w), one 1,500w essay, and exercises (equivalent to 1,000w).

Lecture-strands will be grouped around a particular period. Periods are specified on the notice-board.

Major works of literature from each period will be studied (2hr/wk), and also the history of the period (1hr/wk). Literary treatment is at a more developed level than in Latin 1101–1102; wider areas of study and reading, moreover, are left to students' initiative. Thus an important era in the literature and history of Rome will be intensively surveyed.

Texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year. Students should acquire a copy of the published literary texts, and at least one of the books in Roman history listed there.

Language Study: Students will normally take Language Level 4, which is a two-year program (1hr/wk).

LATN 2104 Advanced Latin 2.2

8 credit points. Assoc Prof D Hoyos. **Session:** 2. **Classes:** 4 classes/wk. **Prerequisite:** LATN 2103. **Assessment:** One 2 hr exam, one take-home exam (equivalent to 1,000 words), one 1,500w essay, and exercises (equivalent to 1,000w).

Lecture-strands will be grouped around a particular period. Periods are specified on the notice-board.

Major works of literature from each period will be studied (2hr/wk), and also the history of the period (1 hr/wk). Literary treatment is at a more developed level than in Latin 1101–1102; wider areas of study and reading, moreover, are left to students' initiative. Thus an important era in the literature and history of Rome will be intensively surveyed.

Texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year. Students should acquire a copy of the published literary texts, and at least one of the books in Roman history listed.

Language Study: Students will normally take Language Level 4, which is a two-year program (1 hr/wk).

LATN 2301 Accelerated Latin 2.1

4 credit points. Dr P Watson. **Session:** 1. **Classes:** 3 classes/wk. **Prerequisite:** 18 Junior credit points including 12 credit points in Archaeology, Classical Civilisation or Classical Greek, Ancient History or Philosophy. **Corequisite:** 8 Senior credit points in Archaeology, Classical Civilisation or Classical Greek, Ancient History or Philosophy. **Prohibition:** LATN 1001. **Assessment:** Weekly assignments and tests (equivalent to 1,500w) and one 1.5hr exam.

This unit of study is an abbreviated version of Latin 1001 and provides a reading knowledge of Latin prose.

LATN 2302 Accelerated Latin 2.2

4 credit points. **Session:** 2. **Classes:** 3 classes/wk. **Prerequisite:** LATN 2301. **Prohibition:** LATN 1002. **Assessment:** Classwork (equivalent to 1,500w) and one 1.5 hr exam.

This unit of study is an abbreviated version of Latin 1002 and provides a reading knowledge of Latin prose.

LATN 2312 Accelerated Latin 2 Additional

4 credit points. **Session:** 2. **Classes:** 2 lec/wk & 1 tut (optional). **Prerequisite:** LATN 2301. **Corequisite:** LATN 2302. **Assessment:** Assignments (equivalent to 1,500 w) and one 1hr exam.

This unit of study functions as a 'bridging course' between Latin 2301–2302 and Latin 2003–2004, to enable those who have taken 2301–2302 to study further Latin to a higher level in subsequent years.

LATN 2801 Latin Exchange

8 credit points. **Session:** 1, 2. Department permission required for enrolment.

LATN 2802 Latin Exchange

8 credit points. **Session:** 1, 2. Department permission required for enrolment.

LATN 2803 Latin Exchange

8 credit points. **Session:** 1, 2. Department permission required for enrolment.

LATN 2807 Latin Exchange

4 credit points. **Session:** 1, 2. Department permission required for enrolment.

LATN 2808 Latin Exchange

4 credit points. **Session:** 1, 2. Department permission required for enrolment.

LATN 2901 Special Latin 2.1

4 credit points. Ms F Muecke. **Session:** 1. **Classes:** 2 classes/wk. **Prerequisite:** LATN 1002 (credit) or LATN 2302 (credit). **Corequisite:** LATN 2003. **Assessment:** One 2 hr exam and one 1,500w essay. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Students will study the texts prescribed for LATN 1101 (see that entry)

LATN 2902 Special Latin 2.2

4 credit points. Ms F Muecke. **Session:** 2. **Classes:** 2 classes/wk. **Prerequisite:** LATN 2901. **Corequisite:** LATN 2004. **Assessment:** One 2 hr exam and one 1,500w essay. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Students will study the texts prescribed for LATN 1102 (see that entry)

LATN 2911 Special Advanced Latin 2.1

4 credit points. Assoc Prof D Hoyos. **Session:** 1. **Classes:** 2 classes/wk. **Prerequisite:** LATN 1102 (credit). **Corequisite:** LATN 2103. **Assessment:** One 2hr exam (or equivalent) and one 2,000w seminar paper. 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 posted on the Latin Notice Board.

LATN 2912 Special Advanced Latin 2.2

4 credit points. Assoc Prof D Hoyos. **Session:** 2. **Classes:** 2 classes/wk. **Prerequisite:** LATN 2911. **Corequisite:** LATN 2104. **Assessment:** One 2hr exam (or equivalent) and one 2,000w seminar paper. 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 posted on the Latin Notice Board.

LATN 3005 Latin 3.1

8 credit points. Assoc Prof D Hoyos. **Session:** 1. **Classes:** 4 classes/wk. **Prerequisite:** LATN 2004 or LATN 2104. **Assessment:** One 2 hr exam, one take-home exam (equivalent to 1,000w), one 1,500w essay, and exercises (equivalent to 1,000w).

An important era in the literature (2hrs/wk) and history (1hr/wk) of Rome will be intensively surveyed.

Texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year. Students should acquire a copy of the published literary texts, and at least one of the books in Roman history listed there.

Language study: Students enrolling from 2104 will normally take Language Level 4, which is a two-year program. Those enrolling from 2004 will normally take Language Level 3.

LATN 3006 Latin 3.2

8 credit points. Assoc Prof D Hoyos. **Session:** 2. **Classes:** 4 classes/wk. **Prerequisite:** LATN 3005. **Assessment:** One 2 hr exam, one take-home exam (equivalent to 1,000w), one 1,500w essay, and exercises (equivalent to 1,000w).

An important era in the literature (2hrs/wk) and history (1hr/wk) of Rome will be intensively surveyed.

Texts to be studied will be listed on the Latin Notice Board before the end of teaching in Semester 2 of the previous year. Students should acquire a copy of the published literary texts, and at least one of the books in Roman history listed there.

Language study: Students who took Language Level 4 in 3005 will continue in Level 4; those who took Level 3 will normally continue in that Level.

LATN 3903 Special Latin 3.1

4 credit points. Assoc Prof D Hoyos. **Session:** 1. **Classes:** 2 classes/wk. **Prerequisite:** LATN 2902 or LATN 2912 (credits). **Corequisite:** LATN 3005. **Assessment:** One 2hr exam (or equivalent) and one 2,000w seminar paper.

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 posted on the Latin Notice Board.

Students wishing to take this unit of study who have not completed Latin 2911–2912 or 2901–2902 should consult the coordinator.

LATN 3904 Special Latin 3.2

4 credit points. Assoc Prof D Hoyos. **Session:** 2. **Classes:** 2 classes/wk. **Prerequisite:** LATN 3903. **Corequisite:** LATN 3006. **Assessment:** One 2hr exam (or equivalent) and one 2,000w seminar paper.

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 posted on the Latin Notice Board.

LATN 4011 Latin Honours A

12 credit points. Ms F Muecke. **Session:** 1, 2. **Classes:** 4–5 classes/wk. **Prerequisite:** LATN 3006 and LATN 3904 (Credit). **Assessment:** Five 2 hr exams (or equivalent), one 3 hr exam, four seminar papers, and classwork.

Department permission required for enrolment.

Literary study (normally 2 hr/wk): a subject in each semester will be arranged after consultation.

Special subject (normally 2hr/wk): a subject in each semester will be arranged after consultation.

Independent reading: texts will be prescribed to widen students' acquaintance with Latin literature and to develop advanced reading skills.

Language study (where applicable): students who have not yet progressed beyond Language Level 3 will take the Level 4 course in both semesters.

Thesis (Semester 2): students will research and present a thesis of 15,000–20,000 words, after choosing a topic in consultation with the Department.

LATN 4012 Latin Honours B

12 credit points. Ms F Muecke. **Session:** 1, 2. **Corequisite:** LATN 4011. Refer to LATN 4011

LATN 4013 Latin Honours C

12 credit points. Ms F Muecke. **Session:** 1, 2. **Corequisite:** LATN 4012. Refer to LATN 4011

LATN 4014 Latin Honours D

12 credit points. Ms F Muecke. **Session:** 1, 2. **Corequisite:** LATN 4013. Refer to LATN 4011

■ Linguistics

LNGS 1001 Structure of Language

6 credit points. Prof William Foley. **Session:** 1. **Classes:** (three 1hr lectures & one 1hr tutorial)/wk. **Prohibition:** May not be taken as well as LNGS 1004 or LNGS 1005. **Assessment:** One 3hr exam (50%), one 1hr mid term exam (30%), written assignments (20%).

General aspects of language: the scope of linguistics, areas of research. The nature of human language, the process of communication. The evolution of language; do animals have language? The sounds of speech: how sounds are made, speech organs and their function. Description of vowels and consonants, phonetic notation. Sound contrasts and their linguistic function. Properties of phonological systems. Morphology: types of morphemes, various syntactic functions. Derivational and inflectional morphology. Word formation. Syntax: sentence types and sentence components. Word classes. Constituency analysis. Syntactic derivations. Semantics: the segmentation of reality; the meanings of meaning. Reference and sense. Speech acts and pragmatics.

LNGS 1002 Language and Social Context

6 credit points. Prof William Foley. **Session:** 2. **Classes:** (three 1hr lectures & one 1hr tutorial)/wk. **Assessment:** One 3hr exam (50%), one 1hr mid term exam (30%), written assignments (20%).

This course introduces the study of the interrelationship between language and society- the field known as sociolinguistics.

Specifically, it is concerned with phenomena such as language variation, dialects, multilingualism, code-choice, language in conversation and discourse, language attitudes, and language and gender. We will pay attention both to social organisation (from individual via nation to global and virtual relations), as well as linguistic organisation (from sound via sentence structure to conversation and discourse). The course aims include the following:

- Understanding the pivotal role language plays in human social organisation
- Ability to identify key areas in the interaction between language and society
- Knowledge of the core research in the field
- Knowledge about and the ability to apply sociolinguistic research methods
- Understanding of potential applications of sociolinguistic knowledge in a range of fields, including the media, education, the professions, and literature.

LNGS 1005 Structure of English

6 credit points. Dr J Simpson. **Session:** 1. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prohibition:** may not be taken as well as 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. **Session:** 1, 2.

Department permission required for enrolment.

LNGS 2001 Phonetics and Phonology

8 credit points. Dr T Borowsky. **Session:** 2. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prerequisite:** One of LNGS 1001, LNGS 1004, LNGS 1005 and one of LNGS 1002, LNGS 1003. **Prohibition:** KRNS 2317 or KRNS 2318. **Assessment:** Fortnightly problem sets, mid-term and final exams.

The Sounds of the World's Languages

Have you ever wondered how to make click sounds such as occur in languages like Xhosa and Zulu, or what particular qualities you need to include in your speech if you want to mimic some accented English? Did you ever wonder about how things like voiceprints or the recorded speech of someone over the phone can be used as evidence in a trial? In this course we study the way we make speech sounds and how they are organised into systems in the languages of the world and you can find things like this out. The course aims to make you understand the kind of phonetic processes that occur in the languages of the world and why they occur. To this end it consists of two parts. In the phonetics section we study the vocal tract, speech production and the phonetic alphabet which includes a cross linguistic survey of all kinds of speech sounds as well as basic acoustic phonetics and spectrogram reading. We consider the phonetic motivation for phonological processes and understand the universal patterns from this point of view. The second part of the course is a problem-based introduction to phonological analysis and argument. You will discover why you can say fan-bloody-tastic but not *fantas-bloody-tic or *fa-bloody-ntastic. We learn how phonological systems are structured and what the common patterns of alternation are. Topics covered: phonological alternations; distinctive features; phonological rules and representations and their role in phonological systems; syllable structure and stress systems. Much of the work is done in groups and the assessment is mostly problem solving.

LNGS 2002 Syntax

8 credit points. Dr Jane Simpson. **Session:** 1. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prerequisite:** One of LNGS 1001, LNGS 1004, LNGS 1005 and one of LNGS 1002, LNGS 1003. **Assessment:** Written assignments, class.

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

Syntax is the component of language that deals with how we combine words into phrases, clauses and sentences, and how we interpret the combinations. Unlike most other components of language it is a system which is almost purely internal to language, and thus plays a central role in organising the entire linguistic system. The study of syntax is important for learning and teaching other languages. At the same time, it has practical applications for natural language processing, both in speech parsing and speech generation. We look at basic concepts and rules of syntax, illustrating these from standard and non-standard Englishes and a wide range of other languages. Our goal is to develop models of the syntax of languages, that allow us to make generalisations that lead to testable predictions about language data, and we will use problem-solving as the approach to this.

LNGS 2003 Functional Grammar and Discourse

8 credit points. Professor J Martin. **Session:** 1. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prerequisite:** One of LNGS 1002, ENGL 1050, MECO 1001, LNGS 1001, LNGS 1003, LNGS 1004, LNGS 1005. **Assessment:** Essay, other written work.

This unit of study is concerned with the way in which language is organised to make meaning. Accordingly it takes a functional view of grammar, considering in detail the ways in which the grammar of 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. Lectures and tutorials are designed to give students analysis skills that will enable them to analyse texts from any English register. These skills will include 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. This course provides a foundation for further work on texts in context in the Social Discourse Analysis major.

LNGS 2004 Discourse Analysis

8 credit points. Professor J Martin. **Session:** 2. **Classes:** (three 1 hr lectures and one 1 hr tutorial)/wk. **Prerequisite:** Two of LNGS 1002, ENGL 1050, MECO 1001, LNGS 1001, LNGS 1003, LNGS 1004, LNGS 1005, LNGS 2003. **Assessment:** Essay, other written assignments.

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, and b) language in use or context. In disciplines other than linguistics, 'discourse' is also applied to social practices more generally, including non-verbal ones.

- Knowledge of linguistic devices which ensure cohesion and coherence between sentences (textlinguistics)
- Understanding of problems in and ability to conduct empirical discourse analysis (what constitutes data?; transcription conventions)
- Analysis of language in relation to non-linguistic discourse modes such as images and music (multimodal analysis)
- Critical and applied approaches to discourse (critical discourse analysis).

LNGS 2027 Computer Applications in Linguistics

8 credit points. Dr M Walsh. **Session:** 1. **Classes:** (one 2 hr lectures & one 1 hr tutorial)/wk. **Prerequisite:** LNGS 1001 or LNGS 1005 and one of LNGS 1002, LNGS 1003. **Assessment:** Written assignments, report, programming task, class.

Computers play an increasingly significant role in the study of language and literature. 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. Training in accessing information on languages and linguistics through library catalogues, electronic mailing lists, FTP sites and the World Wide Web. Other linguistics courses (like phonetics, field methods, historical linguistics and semantics) will rely on some basic knowledge of the use of computers, as can be gained from this unit.

LNGS 2079 Language, Brain and Mind

8 credit points. Dr T Borowsky. **Session:** 2. **Classes:** (one 2 hr lectures & one 1 hr tutorial)/wk. **Prerequisite:** Two of LNGS 1001, LNGS 1002, LNGS 1003, LNGS 1004 and LNGS 1005. **Assessment:** research paper, reading journal, class presentation, mid-term exam.

We will discuss current findings in the field of psycholinguistics. How is language represented and processed or computed by the brain. We will look at experimental work considering the methods and results in an effort to understand the apparent ease with which language is used in everyday life as well as considering the implications of psycholinguistic research for linguistic theory. Topics discussed: language and the brain, speech perception, the mental lexicon and lexical retrieval, sentence and discourse comprehension, language production, language and cognition, nativism.

LNGS 2801 Linguistics Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

LNGS 2802 Linguistics Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

LNGS 2803 Linguistics Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

LNGS 2807 Linguistics Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

LNGS 2808 Linguistics Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

LNGS 3026 Semantics and Pragmatics

8 credit points. Dr M Walsh. **Session:** 1. **Classes:** 2 hours seminar/wk plus one 1hr tutorial. **Prerequisite:** One of LNGS 2001, LNGS 2002, LNGS 2003, LNGS 2004. **Prohibition:** LNGS 3006. **Assessment:** Essay; other written assignments.

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 is the component of language that 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. The study of semantics and pragmatics is important for learning and teaching other languages, for cross-cultural communication, for the study of literature. It has practical applications for natural language processing, for artificial intelligence study, and for dictionary-making.

We look at basic concepts of semantics and pragmatics, illustrating these from standard and non-standard Englishes and a wide range of other languages. Our goal is to develop an understanding of the diversity of ways in which meaning can be expressed linguistically, as well as of what constitutes evidence for saying that some linguistic unit has a certain meaning. Students will approach this by investigating meanings in the languages of their choice.

LNGS 3912 Media Discourse: Analysing Mass Media

8 credit points. Dr I Piller. **Session:** 1. **Classes:** (one 2 hr lectures & one 1 hr tutorial)/wk. **Prerequisite:** Credit average in 24 senior units in Linguistics (or Media and Communication electives). **Assessment:** Tests, three text analysis assignments.

'Sexy, healthy and 100% Australian-owned!' In this unit you will learn about discourse analytic approaches to media communication. The discourse of advertising and gender discourses in the media will form a special focus of the course. Furthermore, we will 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 for the course derives from functional linguistics and critical discourse analysis, as well as cultural studies.

LNGS 3914 Issues in Theoretical Linguistics

8 credit points. Prof Foley and Dr Borowsky. **Session:** 2. **Classes:** 1 2hr seminar and 1 tutorial per week. **Prerequisite:** Credit average in LNGS 2001 and LNGS 2002. **Assessment:** Assessment problem sets, exam. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This unit will be an introduction to Optimality Theory in phonology and syntax. Optimality Theory was developed as a way of solving certain problems in phonology. Since then it has been shown to provide elegant solutions to variation problems in sociolinguistics, and to problems in syntax which had been ignored. This course will provide a grounding in Optimality Theory that will allow an appreciation of the new kinds of descriptions proposed for phonological, morphological and syntactic phenomena.

Topics to be discussed: prosodic structures and harmonic processes; universals of syllable structure and its interaction with epenthesis and deletion processes, lenitions/fortitions and metrical structure; reduplication; as well as: lexical phonology, the cycle and prosodic domains. Issues of representation such as autosegmental phonology and underspecification will be discussed in terms of the new theory. The course is problem-based.

LNGS 3921 Language and Culture

8 credit points. Professor W Foley. **Session:** 1. **Classes:** (one 2 hr lecture & one 1 hr tutorial)/wk. **Prerequisite:** Credit average in 24 Senior credit points of Linguistics, including two of the following units: LNGS 2001, LNGS 2002, LNGS 2003 and LNGS 2004. **Assessment:** Essay and other written assignments.

Introduction to analyses of various problems in cultural and social studies that benefit from input from linguistic expertise and issues in linguistic analysis that require explication in a wider ethnographic perspective. Topics include: structuralism, language and cognition, linguistic relativity (Sapir-Whorf Hypothesis), ethnography of speaking.

LNGS 3922 Educational Linguistics

8 credit points. **Session:** 2. **Classes:** (one 2 hr seminar and one 1 hr tutorial)/week. **Prerequisite:** Credit average in 24 Senior credit points of Linguistics. **Prohibition:** LNGS 3902. **Assessment:** written assignments, class participation.

For this semester we'll concentrate on the work of the so-called 'Sydney School' by way of exploring various issues in educational linguistics. The Sydney School is best known for its work on genre and functional grammar in relation to literacy teaching, and has influenced primary, secondary and tertiary education across Australia and around the world. In particular we will look at the role played by functional linguistic theory (functional grammar, discourse semantics, register, genre, ideology and genesis) in relation to the design of curricula (what gets taught) and pedagogy (how it's taught). This will focus on genre-based spiral curricula and teaching-learning cycles built up around the idea of guidance through interaction in the context of shared experience. The various controversies surrounding the school's work will also be reviewed; including genre in relation to creativity and subjectivity, functional grammar, the role of explicit knowledge about language and critical literacy.

Some familiarity with functional grammar will be an asset, but is not absolutely required.

Textbooks

L Unsworth [ed.] *Researching Language in Schools and Committees: functional linguistic approaches*. London: Cassell, 2000.

LNGS 3923 Cross-Cultural Communication

8 credit points. Dr I Piller. **Session:** 2. **Classes:** Two seminars/week. **Prerequisite:** Credit average in 24 Senior credit points of Linguistics, or of a foreign language. **Prohibition:** LNGS 3903. **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 3927 Language and Identity

8 credit points. Dr Ingrid Piller. **Session:** 2. **Classes:** (one 2hr seminar and one 1 hr tutorial)/week. **Prerequisite:** Credit average in 24 Senior credit points of Linguistics, or a foreign language. **Prohibition:** LNGS 3907. **Assessment:** Essay, other written assignments.

The expression of social identities and relationships through language, including the connection between social groups (eg, gender, ethnicity, age) and language use. Variation, discourse strategies, and style/shifting/register.

LNGS 3929 Bilingualism

8 credit points. Dr I Piller. **Session:** 1. **Classes:** (one 2 hr lecture and one 1 hr tutorial)/wk. **Prerequisite:** Credit average in 24 Senior credit points in Linguistics. **Assessment:** Essay.

The role of institutions, social contact and language attitudes in language maintenance and shift. Bilingual and multilingualism proficiency: deficit and assets, social, educational and psychological aspects. Bilingual/multilingualism programs and the bilingual/multilingual classroom.

LNGS 3933 Translation

8 credit points. Staff. **Session:** 2. **Classes:** (one 2 hr lecture and one 1 hr tutorial)/wk. **Prerequisite:** Credit average in 24 senior credit points in Linguistics. **Assessment:** Translation tasks into English, Spanish, French or Italian, commentary on translation applying theory.

This course aims to develop understanding of linguistics, psycholinguistic and sociolinguistic aspects of translating and interpreting, by examining both the process and product of translation. It will also examine Translation and Interpreting in professional areas. The course adopts in part a reflective workshop approach to the understanding of translation. (Subject to availability of staff)

LNGS 3940 Linguistics Research Issues

8 credit points. Staff. **Session:** 1, 2. **Classes:** by arrangement. **Prerequisite:** A credit average in a total of 24 senior credit points in Linguistics and permission of Chair of the Department. **Assessment:** 4000 word essay and two class presentations.

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. **Session:** 1, 2. **Prerequisite:** Credit average in 48 Senior Credits of Linguistics, including LNGS 3026 and 3 of LNGS 2001, LNGS 2002, LNGS 2003, LNGS 2004. **Assessment:** Consult Department for details.

Department permission required for enrolment.

LNGS 4012 Linguistics Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** LNGS 4011.

LNGS 4013 Linguistics Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** LNGS 4012.

LNGS 4014 Linguistics Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** LNGS 4013.

Media and Communications

MECO 1001 Introduction to Media Studies 1

6 credit points. A/Professor Lumby. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Assessment:** One 1500wd essay(40%);one 600wd seminar paper(20%)one 2hr exam (40%).

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

Gill Branstom and Roy Stafford, *The Media Student's Handbook* (2nd Edition), Routledge, London, 1999

Stuart Cunningham and Graeme Turner (eds), *The Media and Communications in Australia*, Allen and Unwin, Sydney, 2001.

Students are also required to purchase a reader from the Copy Centre

MECO 1003 Principles of Media Writing

6 credit points. Ms Crawford. **Session:** 1. **Classes:** Three hours per week. **Prohibition:** MECO 2002. **Assessment:** One print media news article of 500wds (20%), one radio or television script for a two minute news item (20%), one print media feature article of 1200wds (30%), one takehome exam (30%).

Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit will give students a grounding 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 news items, and be introduced to the principles of interviewing and journalistic research. They will also acquire a basic knowledge of the evolution of print media and its formats.

MECO 2001 Radio Broadcasting

8 credit points. Ms Dunn. **Session:** 1. **Classes:** One 2 hour lecture and one 2 hour workshop. **Prerequisite:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005.

Assessment: One 2000 word essay, one production diary, radio script and final work, one 2 hour examination.

Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit of study provides an introduction to the theory and practice of radio production, by combining theoretical analysis with practical experience. The course looks at the history and contemporary status of radio and considers such concepts as news values and the role of the Internet in audio broadcasts. The course has a strong practical component in which students will research, script, record and edit a radio news magazine item. They will also analyse radio and online broadcast texts.

Textbooks

Phillips, G and Lindgren, M (2002) Australian Broadcasting Journalism Manual, Oxford University Press. Students are also required to purchase a reader from the University Copy Centre.

MECO 2003 Media Relations

8 credit points. Mr Stanton. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005.

Assessment: 2500 wds of practical assignments, one 1500wd essay. 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 media, the corporate sector, government and not for profit industries. It will undertake critical analysis of the historical and contemporary relationships between the media and public relations and attempt to contextualise the practical and theoretical place of both in the public sphere. Students will analyse and evaluate material drawn from the media and public relations, while learning the practical skills necessary to undertake media relations at a professional level.

MECO 2801 Media and Communications Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

MECO 2802 Media and Communications Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

MECO 2803 Media and Communications Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

MECO 2804 Media and Communications Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

MECO 3001 Video Production

8 credit points. Ms Dunn. **Session:** 1, 2. **Classes:** One 2hr lecture, one 2hr workshop. **Prerequisite:** 12 junior credit points of MECO units; ENG1005 or ENGL 1050 or LNGS1005. **Assessment:** Individual news story (15%), Group produced video and tutorial presentation (40%), production log & reflection statement (15%), 2 hr exam (30%).

Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit builds on knowledge and skills acquired in media studies, writing and radio units. It introduces students to the history, theory and practice of video production, both field and studio based. The unit will equip students with practical skills in planning, researching and budgeting a video production, as well as with skills in digital camera operation, video recording and digital video editing using desktop software. The unit emphasises information-based programming (news, current affairs, corporate video, documentary and infotainment). Students will be expected to produce short video items.

Textbooks

Mollison, Martha (2003). Producing Videos: A Complete Guide. 2nd edition. AFTRS/ Allen & Unwin: Sydney. Students are also required to purchase a reader from the University Copy Centre.

MECO 3002 Online Media Production

8 credit points. Ms Crawford. **Session:** 2. **Classes:** one 2hr lecture, one 2hr tutorial. **Prerequisite:** MECO 3001. **Assessment:** One four-page Web site worth 50 per cent; One production log (10%); One two hour exam (30%); One Web site proposal (5%); Tutorial participation (5%).

Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit will examine the emerging role of the Internet 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 critical 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

Gauntlett, David, Web.Studies, Arnold, London, 2002

Students are also required to purchase a reader from the Copy Centre.

MECO 3003 Media, Law and Ethics

8 credit points. Ms Dunn. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of MECO units; ENGL 1005 or ENGL 1050 or LNGS 1005. **Assessment:** One 800wd court report for original research (30%), 1500 wd tutorial paper (30%), 2 hr exam (30%), participation & attendance (10%).

Available to BA(Media and Commun) and BSc (Media & Commun) students only.

MECO 3003 will introduce students to key legal and ethical issues relevant to journalism. 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 the structure of Australia's legal system and to those aspects of the law that impinge on the work of media professionals.

Textbooks

Patterson, P and Wilkins, L (2002) Media Ethics: Issues and Cases, McGraw-Hill

Pearson, Mark (2004) The Journalist's Guide to Media Law, Allen and Unwin

MECO 3005 Media Globalisation

8 credit points. Mr Stanton. **Session:** 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of MECO units; ENG1005 or ENGL 1050 or LNGS 1005.

NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only

This unit develops students' understanding of key issues and debates in Australia relation to the concept of globalisation. It covers the history to the present day of the regulation of the media in Australia, including such issues as foreign and cross-media ownership laws, spectrum allocation, and the regulatory environment. Students will explore the nature of globalisation, as it affects the media, considered both as public cultural forms and as political-industrial organisations.

MECO 3701 Media and Communications Internship

8 credit points. **Session:** 1, 2. **Prerequisite:** MECO 3002 and MECO 3003. **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through workplace supervisor reports both mid placement and at the end of the internship. The internship is assessed on a satisfactory/unsatisfactory basis.

Available to BA(Media and Commun) and BSc (Media & Commun) students 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 20 working days in a media organization, assisted and supervised by both the workplace and the department. Placements may include print, broadcast and online media, public relations and advertising organizations.

MECO 3702 Internship Project

8 credit points. **Session:** 1, 2. **Prerequisite:** MECO 3002 & MECO 3003. **Corequisite:** MECO 3701. **Assessment:** Students will be required to submit a professional journal regarding their internship, including a critical reflection on their experience (2000 words) 30%; 4000 word research essay 70%.

Available to BA(Media and Commun) and BSc (Media & Communications) students only.

The Internship Project offers students the opportunity to reflect on their internship. 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 paper.

Textbooks

Stokes, Jane (2002) How to do Media and Cultural Studies, London: Sage

MECO 4101 Honours Internship and Project

16 credit points. Ms Dunn. **Session:** 1. **Classes:** 140 hours of monitored workplace experience plus independent research with compulsory supervisory consultations. **Prerequisite:** 144 credit points in the BA (Media and Communications) degree with a Credit average in senior

MECO units of study. **Prohibition:** May not be taken with MECO 3701 or MECO 3702. **Assessment:** Students must satisfy the requirements of an internship including attendance and performance, as evaluated by the workplace supervisor report at the end of the internship. Students will be required to submit a professional journal of their internship, including a critical reflection on their experience (3000 words) (30%) and 5000–6000 word research essay or equivalent production piece with appropriate documentation. (70%).

Department permission required for enrolment. Available to students enrolled in the BA Media & Communications

This unit offers practical experience and critical reflection in a professional setting as part of students' academic training. Students undertake a media work placement of a minimum of 20 working days assisted and supervised by both the workplace and the University. Students in consultation with a supervisor will formulate a topic for a research paper to investigate some aspect of media theory and practice arising from their internship. This forms part of students' research training for the Honours thesis.

Textbooks

Stokes, Jane (2002) *How to do Media & Cultural Studies* London: Sage

MECO 4102 Research Methods: Media & Communication

8 credit points. Ms Dunn. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** 144 credit points of the BA (Media and Communications) with a Credit average in senior MECO units of study. **Assessment:** One class presentation (1500 words) worth 25% and one 4000 word essay worth 50%.

Department permission required for enrolment. Available only to students enrolled in the BA (Media and Communications)

This unit of study builds advanced understanding of the principal academic and industry research methods, both qualitative and quantitative, in media and communication. It will assist and prepare students to select the most appropriate methodology for their Honours thesis research.

Textbooks

Wimmer, R and Dominick J (2003) *Mass Media Research: an Introduction* 7th edition Belmont, CA: Wadsworth/ Thomson Learning

MECO 4103 Honours Thesis 1

12 credit points. Ms Dunn. **Session:** 2. **Classes:** Regular consultation with supervisor is required, at which an agreed schedule of work will be negotiated. **Prerequisite:** (MECO 4101 and MECO 4102) or (MECO 4201 and MECO 4202). **Assessment:** EITHER a thesis of 12,000 to 15,000 words OR a media production of an agreed size PLUS an extended essay of 6,000 to 8,000 words.

Department permission required for enrolment. Available to students enrolled in the BA Media and Communications only

Two units (MECO 4103 and MECO 4104) comprise the Honours Thesis for students undertaking an Honours year in the BA Media and Communication and require submission of a 12,000 to 15,000 word thesis OR an approved media production PLUS a 6000 to 8000 word extended essay.

MECO 4104 Honours Thesis 2

12 credit points. **Session:** 2.

Department permission required for enrolment.

See Description for MECO 4103

MECO 4201 Honours Conversion 1

8 credit points. Ms Dunn. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** BA (Media and Communications) with a Credit Average in senior MECO units of study. **Prohibition:** May not be taken with MECO 4101. **Assessment:** 6,000 words in assignments/ essays and no exams or 4,000 words and 2hrs of formal exams.

Department permission required for enrolment. Available only to graduates of the BA Media and Communications

Students take one core unit of study from options made available each year in the Master of Media Practice.

The purpose of these units is to provide students with knowledge and research training appropriate to Honours level.

MECO 4202 Honours Conversion 2

8 credit points. Ms Dunn. **Session:** 1. **Classes:** 3 hours per week. **Prerequisite:** BA Media and Communications with Credit average in senior MECO units of study. **Prohibition:** May not be taken with MECO 4101. **Assessment:** 6,000 words in assignments/ essays and no exams or 4,000 words and 2hrs of formal exams.

Department permission required for enrolment. Available to graduates of the BA Media and Communications only

Students take one core unit of study from options made available in the Master of Media Practice.

The purpose of these units is to provide students with knowledge and research training appropriate to Honours level.

■ Medieval Studies

MDST 2001 The Written Record of the Middle Ages

8 credit points. A/Professor Pryor (Coordinator). **Session:** 1. **Classes:** Three hrs per week. Timetable: Tuesday 12–1, Thursday 12–2.

Prerequisite: 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 2000wd essays; one take-home examination.

THIS UNIT OF STUDY MAY BE COUNTED TOWARDS MAJORS IN HISTORY AND ENGLISH

Examines medieval European traditions of the written record as they appear in both documents and books. Lectures address broad historical and cultural topics: the movement from oral to written tradition; literacy and the languages of written record (both Latin and vernaculars); the functions of writing in administration, law, intellectual pursuits, and leisure; the social contexts of writing. They also introduce students to the skills necessary to work with medieval manuscript texts of various kinds: palaeography, diplomatic, codicology, and numismatics. The relationship between written texts and music and art is also a focus. Tutorials pay particular attention to practice in reading and discussing individual examples of medieval writing so that students gain an overview of the production and function of medieval European documents and books and the ability to transcribe representative manuscript records and to comment purposefully on their typical and distinctive features.

Some class time is given to viewing and discussing medieval manuscripts in the Rare Books Library of Fisher Library and coins in the Nicholson Museum.

Some lectures and tutorials are also available in Web-based versions available through the Web site of the Centre for Medieval Studies.

Textbooks

The Course Guide is made available on the Web site of the Centre for Medieval Studies at: www.arts.usyd.edu.au/Arts/departs/medieval/. Students are expected to download the Course Guide from the Web site or to photocopy the hard copy kept in the Office of the School of English, Art History, Film and Media.

MDST 2007 Medieval Literary and Artistic Modes

8 credit points. Professor Clunies Ross (Coordinator). **Session:** 2. **Classes:** Three hrs per week. Timetable: Tuesday 12–1, Thursday 12–2. **Prerequisite:** At least 12 Junior credit points in one subject area and 6 in another, both from Part A of the Table of units of study. **Assessment:** 3000 words of written work. A 2-hour formal examination or equivalent take-home.

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 program focuses on selected texts in translation.

Textbooks

A course reader will be available from the University Copy Centre.

MDST 4011 Medieval Studies Honours A

12 credit points. A/Professor Pryor (Coordinator). **Session:** 1, 2. **Prerequisite:** A Major in Medieval Studies plus 16 additional credit points from units of study in List B, all with a credit average. **Assessment:** Normally, although this may be varied in individual cases, the coursework is worth 60% of the total mark and the thesis (15–20,000 words) is worth 40%.

Department permission required for enrolment.

Medieval Studies IV Honours is a 2-semester program consisting of:

1. A thesis of 15–20,000 words, written under the supervision of a member of staff nominated by the Coordinator.
2. Four one-semester units (2 hours per week) chosen from Special Entry and IV Honours units of study in approved subject areas.

NOTE: Since entry into IV Honours semester 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.

MDST 4012 Medieval Studies Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** MDST 4011.

Refer to MDST 4011.

MDST 4013 Medieval Studies Honours C
12 credit points. **Session:** 1, 2. **Corequisite:** MDST 4012.
Refer to MDST 4011.

MDST 4014 Medieval Studies Honours D
12 credit points. **Session:** 1, 2. **Corequisite:** MDST 4013.
Refer to MDST 4011.

■ Modern Greek

MGRK 1101 Basic Modern Greek A

6 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 1. **Classes:** One lecture and two 2 hour tutorials per week. **Assessment:** Continuous assessment; one 3-hour exam.

Practical language teaching for those whose Greek is below HSC standard or do not have any prior knowledge of Greek. Students may be divided into groups with different needs, according to the number of students enrolled. The Department reserves the right to place the students in the appropriate group. In this complete Beginners group this unit is appropriate for those who know little or no Greek at all. Concentration is at first on the skills of speaking and listening, but later equal weight is given to reading and writing.

Textbooks

Supplied through department.

MGRK 1102 Basic Modern Greek B

6 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 2. **Classes:** 1 lecture and two 2 hour tutorials per week. **Prerequisite:** MGRK 1101. **Assessment:** Continuous assessment; one 3-hour exam.

By the end of this unit students in the Beginners group should be able to acquire goods and services in a Greek environment without resorting to English, and to send a simple letter to a Greek correspondent. Students in the Intermediate group should reach the linguistic level of a good 2-unit HSC candidate.

Textbooks

Supplied through department.

MGRK 1401 Modern Greek A

6 credit points. Dr Anthony Dracopoulos and Dr Panayiota Nazou. **Session:** 1. **Classes:** Two lectures and three tutorials per week.

Prerequisite: Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency determined by the Department.

Prohibition: MGRK 1101, MGRK 1201, MGRK 1301, MGRK 1503.

Assessment: 1000 word assignment; continuous assessment consisting of 6 tasks equivalent to 1000 words; 2 hour exam (equivalent to 200 words); participation (equivalent to 500 words).

This unit revises and consolidates the main structures of 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 essential morphological structures of the Greek language. The language component may be divided, according to enrolments, into two groups, Intermediate and Advanced. The history component offers an insight to special aspects of history since the Enlightenment.

Textbooks

Supplied through the Department.

MGRK 1402 Modern Greek B

6 credit points. Dr Anthony Dracopoulos and Dr Panayiota Nazou. **Session:** 2. **Classes:** Two lectures and three tutorials per week.

Prerequisite: Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency determined by the Department.

Prohibition: MGRK 1102, MGRK 1202, MGRK 1302, MGRK 1504.

Assessment: 1000 word assignment; continuous assessment consisting of 6 tasks equivalent to 1000 words; 2 hour exam (equivalent to 200 words); participation (equivalent to 500 words).

This is a continuation of MGRK 1401 A. Under special arrangement enrolment in this unit without completion of MGRK 1401 A is possible after discussion with course coordinators.

MGRK 1501 Cultural and Historical Survey A

3 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 1. **Classes:** One lecture and 1 tutorial per week. **Assessment:** One 1000-word paper, 2-hour exam paper, tutorial participation.

The unit, together with MGRK 1502, provides an introduction to the history and culture of speakers of Greek in the post-Byzantine world. Coverage will be fullest after 1800. Political and social developments will be linked to the reading of Greek texts in translation, illustrating how Greek culture and literature have reacted to historical change and ideological repositioning.

The two units together provide a good introduction to Modern Greece and Cyprus for those who wish to study them without learning the language.

Textbooks

Supplied through department.

MGRK 1502 Cultural and Historical Survey B

3 credit points. Dr Anthony Dracopoulos. **Session:** 2. **Classes:** 1 Lecture, 1 Tutorial per week. **Prerequisite:** MGRK 1501 or special permission from the Chair of Department. **Assessment:** One 1000 word paper, 2-hour exam paper, tutorial participation.

This unit, which is a continuation of MGRK 1501, provides an introduction to Modern Greek literature during the last 200 years. Special attention is given to the most prominent poets and prose writers who shaped Modern Greek identity and contributed to the establishment of influential cultural movements in the country. Texts will be given in Greek and English and students are required to present tutorial papers.

Textbooks

Supplied through department.

MGRK 2001 Intermediate Modern Greek A

8 credit points. Dr Anthony Dracopoulos. **Session:** 1. **Prerequisite:** MGRK 1102. **Assessment:** Continuous assessment, 1000 word paper and two 2-hour examinations.

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. Students who have already completed MGRK 1501 and 1502 will be required to attend other units as decided by the Department.

Textbooks

Supplied through department.

MGRK 2002 Intermediate Modern Greek B

8 credit points. Dr Panayiota Nazou. **Session:** 2. **Prerequisite:** MGRK 2001. **Assessment:** Continuous assessment, 1400 word paper, two 2-hour examinations.

Textbooks

Supplied through department.

MGRK 2203 Style and Expression

4 credit points. Dr Anthony Dracopoulos. **Session:** 1. **Classes:** One lecture and 1 tutorial per week. **Prerequisite:** MGRK 1202 or MGRK 2002. **Assessment:** Continuous assessment and one 2-hour examination.

The unit builds upon the structures analysed in MGRK 1201 and MGRK 1202. 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 2204 Comparison of Greek and English

4 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 2. **Classes:** 1 lecture, 1 tutorial. **Prerequisite:** MGRK 1202 or MGRK 2002. **Assessment:** Continuous assessment and one final paper of 2000 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 2501 The Other Road to Greek Modernity

4 credit points. Dr Anthony Dracopoulos. **Session:** 1. **Prerequisite:** 12 Junior credit points in Modern Greek or special permission by the Department. **Assessment:** One 1000 word essay, tutorial presentation and participation and one 2 hour examination.

This unit examines attempts to modernise Greek Literature at the beginning of the 20th century by C.P Cavafy, K. Karyotakis and other poets, together with a new trend in Greek criticism put forward by T. Agras and K. Paraschos. These efforts were later overshadowed and marginalised by the dominant discourse of Greek Modernism, which is associated with the group known as the Generation of the 1930's. Parallels are drawn with the

European literary context and relevant developments in Greek political life.

MGRK 2505 Deconstructing 20th Century Greek Prose

4 credit points. Dr Panayiota Nazou. **Session:** 2. **Classes:** One lecture and one tutorial per week. **Prerequisite:** 12 Junior credit points in Modern Greek or special permission by the Department. **Assessment:** One 1000 word essay, tutorial presentation and one 2 hour exam. This unit provides, from the point of view of deconstruction, a re-reading of several novels of 20th century Greece, in an attempt to frame and elucidate the main structures of thought and the central narrative practices which formed contemporary Greek responses to the challenges of writing.

MGRK 2512 Politics & Politicians in Modern Greece

4 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 1. **Classes:** 1 lecture and 1 tutorial per week. **Prerequisite:** 12 Junior credit points in any subject. **Assessment:** One 2000 word essay, one tutorial paper of 1000 words and class participation. This unit looks at some of the most prominent political figures who have helped to shape modern Greek social policy and public sphere. Through the study of the political 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.

Textbooks

Supplied through Department

MGRK 2523 Sex, Drugs and Music in Modern Greece

4 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 2. **Classes:** One lecture and one tutorial per week. **Prerequisite:** 12 Junior credit points in any subject. **Assessment:** One 2500 word essay and one class presentation (500 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 2801 Modern Greek Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MGRK 2802 Modern Greek Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MGRK 2803 Modern Greek Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MGRK 2807 Modern Greek Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MGRK 2808 Modern Greek Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MGRK 2904 Sociolinguistics in the Greek Diaspora

4 credit points. Dr Panayiota Nazou. **Session:** 1. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisite:** A Special Entry Eligibility form signed by the Head of Department. **Assessment:** Continuous assessment and a 2 hour examination.

Department permission required for enrolment.

This unit will examine Greek bilingualism from a historical and sociolinguistic perspective, including a brief comparative study of 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 3207 Varieties and Registers

4 credit points. Dr Panayiota Nazou. **Session:** 2. **Classes:** One lecture and 1 tutorial per week. **Prerequisite:** MGRK 1202 or special permission from Department. **Prohibition:** MGRK 3205. **Assessment:** Tutorial presentation, written assignment 1500 words and take-home examination 1500 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 phenomena that influenced contemporary usage of Greek language. It finally focuses on diverse forms of professional phraseology such as economics, law, medicine science, politics and journalism.

Textbooks

Supplied through department.

MGRK 3211 Theory and Practice of Translation B

4 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 1. **Prerequisite:** MGRK 1201 & MGRK 1202 or special permission by the Department. **Assessment:** Continuous assessment (5 short translation exercises each equivalent to 1000 words) and one 2000 word essay. This unit is a continuation of MGRK 3210 with specific emphasis on the reverse translation from English to Greek. Its main focus is the study of translating strategies of specialised or even over-specialised texts and the explanation of 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. By the end of the course, students should be able to assess the effectiveness and the value of a translated text and be able to translate by themselves highly technical texts.

MGRK 3901 Theories of Literature

4 credit points. Dr Anthony Dracopoulos. **Session:** 2. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisite:** A Special Entry Eligibility form signed by the Head of Department. **Assessment:** Tutorial presentations / participation and 2 hour exam paper.

Department permission required for enrolment.

A study of a variety of concepts, theoretical approaches and methodologies useful for the analysis of Modern Greek literature. It also provides a wide variety of texts which analyse contemporary approaches to the phenomenon of literature and its social function.

Textbooks

Supplied through department.

MGRK 4011 Modern Greek Honours A

12 credit points. Ass. Prof. Vrasidas Karalis. **Session:** 1, 2. **Prerequisite:** A major in Modern Greek plus 16 additional credit points which must include MGRK 2904 and 3901. **Assessment:** Essays for each seminar and long essay.

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 2004 are:

- Session 1:
 - Literary History and Poetics
 - Greek Literature in Film
 - Comparative Literature
- Session 2:
 - Modern Greek Historiography
 - History of Modern Greek Literary Criticism
 - Classical Heritage in Modern Greek Culture

Textbooks

Supplied through department.

MGRK 4012 Modern Greek Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** MGRK 4011.

MGRK 4013 Modern Greek Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** MGRK 4012.

MGRK 4014 Modern Greek Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** MGRK 4013.

■ Music

MUSC 1501 Music 1A

6 credit points. Assoc Prof Winsome Evans. **Session:** 2. **Classes:** 2 lectures & 1 tutorial/wk. **Prerequisite:** 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. This course is a prerequisite for MUSC 2902 and thus ultimately for Music Honours. **Prohibition:** MUSC 1503, 1504. **Assessment:** Seven composition exercises (60%), two aural tests plus class work assessment in weekly aural tutorials (40%).

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 Music 1B

6 credit points. **Session:** 1. **Classes:** 1 lectures & 2 tutorials/wk. **Assumed knowledge:** The ability to follow a piano score while listening to the music. **Prohibition:** MUSC 1501. **Assessment:** Four written assignments (15% each), tutorial attendance (10%), aural tests in tutorials (30%).

An exploration of basic compositional techniques in a variety of styles, supported by a study in basic aural and notational skills including aural dictation, score reading and analysis.

MUSC 1504 Music 2B

6 credit points. **Session:** 2. **Classes:** 1 lecture & 2 tutorials/wk. **Assumed knowledge:** a diagnostic test will be held early in semester for those students who have not completed MUSC 1503. **Prohibition:** MUSC 1501. **Assessment:** Four written assignments (15% each), tutorial attendance (10%), aural tests in tutorials (30%).

A more advanced exploration of compositional techniques in a variety of styles, supported by a study in basic aural and notational skills including aural dictation, score reading and analysis.

MUSC 1506 Music in Western Culture

6 credit points. Professor Anne Boyd & Assoc Prof Nicholas Routley. **Session:** 2. **Classes:** 2hr lecture & 1 tut/wk. **Assumed knowledge:** The ability to follow a musical score while listening to the music. **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 2010 Advanced Concepts 1

4 credit points. Assoc Prof Winsome Evans. **Session:** 1. **Classes:** 1 lecture & 1 tutorial/week. **Prerequisite:** One of MUSC 1005 or 1504 or 1501. **Prohibition:** MUSC 1003. **Assessment:** Five 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 2012 Advanced Concert Performance 1

4 credit points. Assoc Professor Winsome Evans. **Session:** 1. **Classes:** 2 tutorials/week. **Prerequisite:** 18 junior credit points, AND audition (contact the department one week before semester begins). **Corequisite:** MUSC 2012 & MUSC 2013 must be taken over two consecutive semesters. **Assessment:** (1) 30 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) program notes.

Department permission required for enrolment.

Performance 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 and corrections to program notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music).

MUSC 2013 Advanced Concert Performance 2

4 credit points. Assoc Professor Winsome Evans. **Session:** 2. **Classes:** 2 hour tutorials/week. **Prerequisite:** MUSC 2012. **Corequisite:** MUSC 2012 & MUSC 2013 must be taken over two consecutive semesters. **Assessment:** (1) 30 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) program notes.

Performance 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 and corrections to program notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music).

MUSC 2018 Large Ensemble 1

4 credit points. Assoc Professor Evans. **Session:** 1. **Prerequisite:** 18 junior credit points. Some ensemble groups require an audition as well. **Assessment:** Weekly tutorials (rehearsal); concert performance; 2,500 word essay. Department permission required for enrolment.

Department permission required for enrolment.

Participation in an approved performance ensemble (where available), for example: the Sydney University Symphony Orchestra, the Gamelan Orchestra 'Kyai Kebo Giro', the Pro Musica Choir, The Renaissance Players, the Sydney Chamber Choir, the Sydney University Musical Society and Baroque Ensembles.

Regular rehearsals leading to concerts, supervised by a tutor to improve and develop ensemble performance skills, self-discipline, leadership. Instruction in balance, section leading, intonation, tone production, various rhythmic procedures, ear training and improvisation.

MUSC 2019 Large Ensemble 2

4 credit points. Assoc Professor Nicholas Routley. **Session:** 2. **Prerequisite:** MUSC 2018. **Assessment:** Weekly tutorials (rehearsal); concert performance; 2,500 word essay.

Participation in an approved performance ensemble (where available), for example: the Sydney University Symphony Orchestra, the Gamelan Orchestra 'Kyai Kebo Giro', the Pro Musica Choir, the Renaissance Players, the Sydney Chamber Choir, the Sydney University Musical Society and Baroque Ensembles.

Regular rehearsals leading to concerts, supervised by a tutor to improve and develop ensemble performance skills, self-discipline, leadership. Instruction in balance, section leading, intonation, tone production, various rhythmic procedures, ear training and improvisation.

MUSC 2023 History of Performance Practice

4 credit points. Assoc Professor Evans. **Session:** 1. **Classes:** 2 hours/week. **Prerequisite:** 12 junior credits in music. **Assessment:** Historical performance on a modern or period instrument (60%), 1500 word essay (40%).

A study of the history of performance practice in music using primary source materials from the 16th to 20th centuries. Some tutorials covering special areas of performance in non-western and western music, including popular music, will be given by guest specialists.

MUSC 2026 Australian Aboriginal Music

4 credit points. Associate Professor Allan Marett. **Session:** 1. **Classes:** 13 lectures, 6 tutorials. **Prerequisite:** 18 junior credits. **Assessment:** One listening test and one 3000 word essay.

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. This unit will be illustrated with numerous films.

MUSC 2033 Music Publishing

4 credit points. **Session:** 2. **Classes:** 13 lectures/6 tutorials. **Prerequisite:** 12 junior music credits plus basic familiarity with Macintosh System 9 or above. **Assessment:** One major assignment (25 pages of orchestral, chamber or choral score plus a set of parts extracted from the score) and three smaller assignments dealing with specific techniques.

This is a music publishing course, using industry standard computer programs. This unit will be useful to composers, musicologists, arrangers and copyists, teaching students how to produce professional-looking, computer-published music scores and files for the Internet.

MUSC 2053 Sound and Music for Multimedia

4 credit points. **Session:** 1, 2. **Classes:** 2hr lecture/demonstration/week. **Assumed knowledge:** Macintosh Operating System 9 or equivalent. **Prerequisite:** 12 junior music credits. **Assessment:** Continous assessment consisting of practical exercises, documented creative project, critical and practical assignments.

An introduction to the use of digital sound and music in creative and multimedia contexts. Topics covered include: understanding, recording and manipulating digital sound, MIDI, working with a multitrack audio environment, sound restoration, CD burning, file formats, synchronising music and pictures, embedding sound files in Web sites, (includes basic Web site construction)

MUSC 2054 Popular Music

4 credit points. **Session:** 2. **Classes:** 1 lecture & 1 tut/week. **Prerequisite:** 18 junior credits. **Assessment:** One 3,000 word essay (70%) and a listening test (30%).

Popular music today. A survey of the major genres of popular music, its modes of reception, role in contemporary life, major stylistic features and historical antecedents.

MUSC 2055 The Music of Claude Debussy

4 credit points. Professor Anne Boyd. **Session:** 1. **Classes:** 1 lecture and 1 tut/week. **Prerequisite:** 18 junior credits. **Assessment:** A 2,000 word essay, a tutorial presentation and a listening test.

MUSC 1003 or MUSC 1005 advised but not essential.

This unit offers an in-depth study of the music of Claude Debussy positioned in the vibrant artistic and cultural life of Paris in the late 19th and early 20th centuries. It will also critically evaluate his reception and ongoing influences in the contemporary world as a composer of major significance.

MUSC 2071 The Symphonies of Gustav Mahler

4 credit points. Assoc Professor Nicholas Routley. **Session:** 2. **Classes:** One 90-min seminar/wk. **Prerequisite:** 12 junior music credits.

Assessment: (i) A seminar paper on an aspect of Mahler's symphonies or song cycles (20 minutes) (30%) (ii) An essay developed from the seminar paper (c. 3000 words) (40%) (iii) A listening test covering the materials discussed in this course (c. 60 minutes) (20%) (iv) Attendance and participation (10%).

Using the composer's idea of 'the symphony as a world', this unit of study will examine all the symphonies and major song cycles composed by Gustav Mahler (1860–1911). Students will acquire detailed and general knowledge of Mahler as a symphonist in the turbulent period of late Romanticism and early modernism when the very basis of the Western musical language was challenged and extended.

MUSC 2501 Australian and Asian Music

8 credit points. Assoc Professor Allan Marett, Professor Anne Boyd. **Session:** 1. **Classes:** 18 two hour lectures & 4 tutorials. **Prerequisite:** 12 junior music credit points. **Assessment:** One 3000 word essay (50%), one tutorial paper (25%) and a listening test (25%).

Australian musical culture including the songs and dances of the major genres of Aboriginal music and the history of music making in Australia since European settlement. The music of Asia and the Pacific and its relationship to Australia.

Students wishing to take a major in Music must complete MUSC 2501 and MUSC 2502, and at least 16 further senior credit points in Music.

MUSC 2502 European Art – Music Traditions

8 credit points. Assoc Professor Routley, Professor Boyd. **Session:** 2. **Classes:** two 2 hour lectures/wk. **Prerequisite:** 12 junior music credit points. **Assessment:** One 3000 word essay (50%) and one three-hour exam. (50%).

This unit of study will focus on selected works from some of the major periods of European music in order to provide an in-depth appreciation of specific compositions. Links to a wider range of music and non-musical aspects of European culture will also be explored. Students wishing to take a major in Music must complete MUSC 2501 and MUSC 2502, and at least 16 further senior credit points in Music.

MUSC 2610 Composition Workshop 1

4 credit points. Professor Anne Boyd. **Session:** 1. **Classes:** 2 hour workshop/week. **Prerequisite:** 12 junior credits in music. **Assessment:** Attendance and participation in classes and concerts (30%), submitted compositions, scores and recordings (60%), program notes and other aural and/or written presentations (10%).

An open forum in which students are given an opportunity in a supervised environment to hear their original compositions rehearsed and performed, usually by other participating students. The workshops 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 2801 Music Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MUSC 2802 Music Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MUSC 2803 Music Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MUSC 2807 Music Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MUSC 2808 Music Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

MUSC 2902 Harmony and Counterpoint

4 credit points. Assoc Prof Winsome Evans & Assoc Prof Nicholas Routley. **Session:** 2. **Classes:** 1.5 lecture/wk & fortnightly tutorial. **Prerequisite:** 12 junior credits in Music with credit average, students will normally have completed MUSC 2010. **Assessment:** Four assignments, each a piece of musical composition or completion imitating certain specified styles (25% each).

This course is a prerequisite for Honours and MUSC 3908 Musical Analysis. It gives an understanding of, and the capacity to write in, the styles of composers within the Western tradition. It deals with issues of harmony, voice-leading and counterpoint in the works of specific composers, for example; Palestrina, J.S. Bach, Hadyn, Schubert and Brahms.

MUSC 2903 Fieldwork, Ethnography and Transcription

4 credit points. **Session:** 1. **Classes:** 1 lecture/week & fortnightly tutorials. **Prerequisite:** 12 junior music credit points. Students will normally have completed either MUSC 1003 or 1005, or MUSC 1501 or 1504. **Assessment:** Field project (oral and written presentation) (40%) three transcriptions (30%) critical readings (30%).

This unit is a prerequisite for BA Honours and MUSC 3908 and MUSC 3904. 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 be undertaken.

MUSC 3104 Advanced Concert Performance 3

4 credit points. Associate Professor Evans. **Session:** 1. **Classes:** 1–2 hour tutorials/week. **Prerequisite:** MUSC 2013. **Corequisite:** MUSC 3104 and 3105 must be taken over two consecutive semesters. **Assessment:** (1) 35 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) program notes.

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 and corrections to program notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music).

MUSC 3105 Advanced Concert Performance 4

4 credit points. Associate Professor Evans. **Session:** 2. **Classes:** 1–2 hour tutorials/week. **Prerequisite:** MUSC 3104. **Corequisite:** MUSC 3104 and 3105 must be taken over two consecutive semesters. **Assessment:** (1) 35 minutes concert performance (repertoire not to be counted in any other performance course), (2) attendance at relevant classes, concerts and rehearsals, (3) program notes.

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 and corrections to program notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music).

MUSC 3904 Musicology 1

4 credit points. Assoc Professor Allan Marett. **Session:** 1. **Classes:** 1.5 hour seminars/wk. **Prerequisite:** MUSC 2903, (except with the permission of Chair of Department). Mandatory for all BA/BMus students and as a prerequisite for Honours (BA, BA/BMus, BMus). **Assessment:** Critical readings (25% for oral presentation; 20% for written submission), bibliography assignment (40%), class participation (15%).

The course has two components: bibliography and critical readings in the musicology of western and non-western music. The bibliography provides preparation for students intending to write a research paper or thesis as part of 4th year Honours.

MUSC 3905 Musicology 2

4 credit points. **Session:** 2. **Classes:** 1.5 hour seminar/week. **Prerequisite:** MUSC 3904. Mandatory prerequisite for Music IV Honours (BA/BMus or BMus). **Assessment:** Critical readings, annotated bibliography, literature review, research plan, class participation. Critical readings in musicology and ethnomusicology and completion of a bibliographic and research proposal project.

MUSC 3908 Music Analysis

4 credit points. Assoc Professor A. Marett & Assoc Professor N. Routley. **Session:** 2. **Classes:** 1 hour lecture/week & 4 tutorials/semester. **Prerequisite:** MUSC 2903 or 2021 and MUSC 2902 or 2022. **Assessment:** Four short assignments (48%) class presentation – to be submitted (40%) class participation (12%).

This course is a prerequisite for fourth year Honours. It examines the main theories of musical analysis current in Musicology and applies them to a broad range of music, both western and non-western. Tutorials will focus on specific analysis tasks, undertaken as part of the assessment for this course.

MUSC 4011 Music Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Average credit results in senior music units totalling 32, including 4 special entry units: MUSC 2902, MUSC 2903, MUSC 3904 & MUSC 3908. **Prohibition:** MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4024, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.

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.

Honours requirements are:

- Thesis of 15,000–20,000 words (40%)
- Musicology 2 (20%)
- Critical Theory & Performance (20%)
- Performance Special or Composition Special or Musicology Special (20%)

To be arranged in consultation with the department.

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 3904. A research-based performance or a major composition up to half the total value of the course may, with permission of the Chair of Department, be included as an integral part of the thesis. Individual fortnightly supervision throughout the year.

Musicology 2

Classes: Semester 2, 2 hour/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.

Critical Theory & Performance

Dr Ian Maxwell. Classes: Semester 1, 2 hours/week. Assessment: 5,000 word essay.

As continually evolving disciplines Performance Studies, and Musicology have drawn upon a wide range of theoretical positions and resources, from semiotics to New Historicism, cultural studies, psychoanalysis, discourse theory, deconstruction, phenomenology and hermeneutics. In this unit, we will read some key theoretical texts, and look at how they have been applied to the analysis of performance.

Performance Special

Assoc Professor Winsome Evans

A supervised performance project.

Composition Special

Professor Anne Boyd

A supervised composition project.

Musicology Special

Associate Professor Allan Maret

A supervised musicology project.

MUSC 4012 Music Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** MUSC 4011. **Prohibition:** MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4023, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.

Refer to MUSC 4011

MUSC 4013 Music Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** MUSC 4012. **Prohibition:** MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4023, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.

Refer to MUSC 4011

MUSC 4014 Music Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** MUSC 4013. **Prohibition:** MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4023, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.

Refer to MUSC 4011

■ Pali (no major available)

PALI 1001 Pali A

6 credit points. Dr Peter Oldmeadow. **Session:** 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 Indic language, are in Pali as are the commentaries and historical literature of the School. This unit will provide a grounding in the language and enable the student to read simple texts in Pali.

Textbooks

Warder, A. K., Introduction to Pali (Pali Text Society, Oxford, 1991)

PALI 1002 Pali B

6 credit points. Dr Peter Oldmeadow. **Session:** 2. **Classes:** 3 hours per week. **Prerequisite:** 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

SSCP 1001 Performing Australia

6 credit points. Dr Ian Maxwell. **Session:** 1. **Classes:** 2 hr lecture & 1 tut/week. **Assessment:** One 2000 word assignment; continuous assessment equivalent to 2000 words.

How do various performance practices (music, theatre, hybrid, popular culture) reflect and/or construct a sense of what Australian identity is or could be? This unit which is taught by staff from the Departments of Music and Performance Studies, examines a range of practices, from local Hip Hop to productions by Opera Australia, from a Lorrkon ceremony in central Arnhem Land to the Olympics opening ceremony. The key theoretical concern underpinning these case studies will be to interrogate the notion of 'Performance' itself.

PRFM 1801 Performance Studies Exchange

6 credit points. **Session:** 1.

Department permission required for enrolment.

PRFM 2001 Being There: Theories of Performance

8 credit points. Dr Maxwell. **Session:** 1. **Classes:** (2 lectures, 1 tutorial)/week. **Prerequisite:** 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.

Assessment: 3000 word take-home examination, 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.

PRFM 2002 An Audience Prepares

8 credit points. Dr Dwyer. **Session:** 2. **Classes:** (2 lectures & 2 workshops)/week. **Prerequisite:** 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. **Assessment:** One 500 word performance questionnaire; tutorial assessment equivalent to 1000 words; one 1500 word extended essay plan; 3000 word performance analysis essay.

This unit of study examines the elements of performance in mainstream Western theatre practice, with reference to other performance traditions; the place of the text, the impact of space and visual elements, the work of the actor and director in rehearsal and performance and the role of the spectator in the construction of meaning. The lectures are supplemented by a 2-hour workshop each week in which the analytical concepts are explored in practice. Students will also attend performances at a number of Sydney theatres in order to undertake performance analysis.

PRFM 2801 Performance Studies Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

PRFM 2802 Performance Studies Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

PRFM 2803 Performance Studies Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

PRFM 2804 Performance Studies Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

PRFM 2807 Performance Studies Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

PRFM 2808 Performance Studies Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

PRFM 3005 Flexible Performance

4 credit points. Associate Professor Fitzpatrick. **Session:** 1. **Classes:** 2 hours/week. **Prerequisite:** PRFM 2001 & PRFM 2002. **Assessment:** One group assignment (oral presentation in class); One individual assignment of 2000 words.

An examination of the performance processes of the 'Commedia dell'Arte' involving analysis of scenarios and other documents, practical exploration of masked performance, and theoretical consideration of acting techniques.

PRFM 3010 The Secret Art of the Dramaturg

8 credit points. Dr Ginters. **Session:** 2. **Classes:** 4 hours/week seminars. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** Group research project; A written script assessment; Tutorial paper.

What is a dramaturg? How do you read a play? Write a non-text based performance? Prepare a production of a classic play? This course will investigate the various roles of the dramaturg, focusing on new play dramaturgy, background research for historical texts, translation and the role of the dramaturg as co-creator in non-text-based work. This course will include practical exercises in analysing and workshopping a new Australian play or text for performance.

PRFM 3016 The Playwright in the Theatre

8 credit points. A/Professor Fitzpatrick, Dr Ginters. **Session:** 1. **Classes:** 2 x 2 hour seminar/workshops. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** 3000 word take-home exam; group tutorial presentation and essay of 3000 words.

In the mainstream European tradition the text is central to performance, but this centrality is achieved in different ways in different historical periods. This unit of study will consist of a theoretical, historical and to some extent practical examination of the interaction between playwright, text, performance space and performance processes. It will consider both 'engaged' playwrights such as Shakespeare (writing for a particular performance space and acting company of which he was a member) in contrast to the 'disengagement' of the modern playwright (often excluded from performance processes). Examination of the role and status of the writer in contemporary Australian theatre and performance will be undertaken, including some consideration of the writer as dramaturg/dramaturg as 'writer' and the writer (and/or director) as translator/adaptor of texts.

PRFM 3020 Gender and Performance

8 credit points. **Session:** 1. **Classes:** 4 hours/week seminars. **Prerequisite:** PRFM 2001 and PRFM 2002. **Prohibition:** PRFM 3013. **Assessment:** Tutorial presentation and paper; Group performance analysis; Essay or textual/directorial script analysis worth 30% (3000 words).

In this unit we will examine the development of feminist performance theory and the growing interest in gender studies as a complementary theoretical approach. Areas which will be covered include: a critical assessment of the canon, notions of 'the gaze', drag (kings and queens), performance art and post-colonial theory. We will explore the relationship between theory and practice in live performance, including analysis of contemporary theatre and performance work in Sydney, based on class excursions.

PRFM 3021 Embodied Histories

8 credit points. Dr Card. **Session:** 2. **Classes:** 4 hours/week. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** One 3000 word essay, one tutorial presentation with one 1500 word paper, one 1500 word analytic journal.

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 black bottom & jive, through musical comedy & jazz, to disco, hip hop & salsa 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 former dance training required.

PRFM 3022 Theories of Acting

8 credit points. Dr Maxwell. **Session:** 1. **Classes:** 4 hours/week. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** 3000 word essay; seminar/workshop presentation and report equivalent to 2000 words; reading exercise equivalent to 1000 words.

This unit of study will explore theories of theatre from Aristotle through to post-modernism, with a particular focus upon approaches to, practices and theories of, acting. In addition to this historical focus, we will develop critical perspectives, drawing on ethnography and theories of subjectivity to understand the 'implicit theories of acting' operating within particular cultural and historical milieus.

Textbooks

Zarrilli, Phillip B *Acting (Re)Considered: Theories and practices*

PRFM 3023 Intercultural Performance

4 credit points. Dr Lewis. **Session:** 2. **Classes:** 2 hours/week. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** One 3,000 word essay, 2 short quizzes.

This unit will examine current attempts to theorize performative events from an 'intercultural' perspective, engaging in an anthropological critique of such approaches. Most emphasis will be placed on a discussion of the 'culture' concept and on modes of understanding cultural mixing or hybridity.

PRFM 3025 Anthropology of Performance

8 credit points. Dr Lewis. **Session:** 2. **Classes:** 3 hours/week. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** One midterm exam (equivalent to 2500 words) and one essay of 3500 words.

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

In the past two decades, 'performance' has emerged as a central concept in several disciplines of humanistic study. Work in anthropology has been influenced by similar interests in theatre, linguistics, the fine arts, gender studies, and sociology, to name a few. Initially the class will examine bodies of theory which have been used to focus these interests, including: semiotics, discourse, communication, social action, interaction, frame analysis, ritual, play, and so forth. The key question will be how these theoretical perspectives can converge to help (or hinder) ethnologists describe and understand given performance genres and culture in general. The class will use films, and when possible, observe live performances as part of this analytical project, and we will also read some recent performance-centred ethnographies to confront special problems in the written representation of partially or wholly non-verbal events.

PRFM 3026 Playing Politics

8 credit points. Dr Dwyer. **Session:** 2. **Classes:** 4 hours/week. **Prerequisite:** PRFM 2001 and PRFM 2002. **Assessment:** Tutorial/reading tasks equivalent to 1000 words in total; one 2500 word essay; contribution of approximately 2500 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 some performance aspects of larger-scale protest movements, together with the theatricalising of politics in general.

PRFM 3028 Performance: Hybridity and Appropriation

4 credit points. Dr Card. **Session:** 1. **Classes:** 2 hours/week. **Prerequisite:** PRFM 2001 & PRFM 2002. **Assessment:** One 2000 word essay, one 500 word review of live performance, 20 minute group tutorial presentation.

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 and the development of hybrid dance practices by Indigenous and non-Indigenous choreographers since the 1950s in Australia and the United States.

PRFM 3901 Rehearsal Studies

4 credit points. Dr Dwyer. **Session:** 1. **Classes:** 2 hours/week.

Prerequisite: Credit results in PRFM 2001 & PRFM 2002. **Corequisite:** PRFM 3902 and 16 credit points in PRFM 3000 level units. **Assessment:** One 2500 word essay, seminar presentation.

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 groundwork is laid: accounts of rehearsal by participants and observers, ethnographic theory, video recordings of rehearsal, prompt books and other materials are examined with a view to establishing an appropriate level of awareness of the task and a methodological approach.

Practical: 2 weeks full time attendance at performance project.

PRFM 3902 Rehearsal to Performance

4 credit points. Dr Dwyer. **Session:** 2a. **Classes:** full time attendance for 2 weeks in the July break and 2 hours/week for the first 6 weeks of session. **Prerequisite:** PRFM 3901 and credit results in PRFM 2001 and PRFM 2002. **Corequisite:** 16 credit points in PRFM 3000 level units.

Assessment: Casebook of rehearsal process.

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.

Practical: full time attendance for 2 weeks in the July break.

PRFM 4011 Performance Studies Honours A

12 credit points. Coordinator: Dr Dwyer. **Session:** 1, 2. **Prerequisite:** 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 long essay. Intending Honours students should speak to the Honours coordinator before enrolling.

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 long essay 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: Reading Theatre History

Dr L Ginters. **Classes:** 2 hours/week. **Assessment:** 5000 words in essays and papers. Semester 1.

This unit examines the conditions for historical studies of theatre, reviewing the types of material evidence and analytical methodologies required. It also involves close readings of some of the seminal texts by practitioners and theorists that have played a formative role in the development of Western theatre, locating them in their historical context and exploring their continued significance today.

Coursework Seminar: Embodiment

Dr L 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 problematic 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 P 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.

Long essay (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 long essay 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.

Practical: Workshops and placement in a theatre company to observe a creative process in progress; group supervision meeting.

PRFM 4012 Performance Studies Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** PRFM 4011. Refer to PRFM 4011

PRFM 4013 Performance Studies Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** PRFM 4012. Refer to PRFM 4011

PRFM 4014 Performance Studies Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** PRFM 4013. Refer to PRFM 4011

■ Philosophy**PHIL 1010 Society, Knowledge and Reason**

6 credit points. Assoc Prof Redding Dr J Grumley Dr L Russell. **Session:** 1. **Classes:** 2 hrs/wk. Tutorial 1 hr/wk. **Prohibition:** PHIL 1001 and PHIL 1002. **Assessment:** 2500 word essay and 2 hour exam.

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. Dr Braddon-Mitchell Dr Macarthur Dr West. **Session:** 2. **Classes:** 2 hrs/wk. Tutorial 1 hr/wk. **Prohibition:** PHIL 1003, 1004, 1006, 1008. **Assessment:** 2500 word essay, 2 hour exam.

This unit is an introduction to central issues in metaphysics, ethics and aesthetics. It opens with general questions about reality, God, personal identity and free will. The middle section of the unit will consider questions about values, goodness and responsibility. The final part is concerned with aesthetic judgement and the value of beauty.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 1012 Introductory Logic

6 credit points. Dr Bacon. **Session:** 2. **Classes:** 2 hrs/wk. Tutorial 1hr/wk. **Assessment:** Weekly exercises and 2 hour 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 HSC6 credit points. **Session:** Summer.**PHIL 1801 Philosophy Exchange**6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

PHIL 2000 Twentieth Century Philosophy8 credit points. Dr McDermott. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Assessment:** Essay and exam.

Main developments in philosophical thought in the twentieth century. Topics include: logical atomism; logical positivism and its attack on metaphysics; conceptual analysis; Quine, holism, behaviourism, and the overthrow of positivism; the resurgence of metaphysics; functionalism in the philosophy of mind; modal realism. Essential background for understanding how philosophy is done today in English-speaking countries.

PHIL 2004 Descartes and Continental Philosophy8 credit points. **Session:** 1, Summer. **Classes:** 2 hr lecture and 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3004. **Assessment:** essay and exam.

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 2005 Locke and Empiricism**8 credit points. Dr D Macarthur. **Session:** 2. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3005. **Assessment:** essay and take home 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 2013 Plato and Aristotle**8 credit points. Dr Benitez. **Session:** 2, Summer. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3013. **Assessment:** essay and 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 2203 Elementary Logic8 credit points. Dr Bacon. **Session:** 2. **Classes:** 2 x 1hr lectures + 1hr tutorial per week. **Prerequisite:** 12 junior credit points in Philosophy. **Prohibition:** PHIL 1012, 3203, 2201, 3201. **Assessment:** Weekly exercises and one 2 hr 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 2211 Problems of Empiricism**8 credit points. Dr A Heathcote. **Session:** 1. **Classes:** 2hr lecture + 1hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3211. **Assessment:** Essay and take home exam.

Science tries to discover the objective nature of reality, but its best evidence is always the ways things look to creatures like us. In what sense can a scientific theory ever get beyond this subjective evidence? The problem stems from a deep tension between the metaphysical and epistemological aims of empiricist philosophy. This unit looks at some of the ways in which empiricists have tried to resolve this tension, especially in post-Humean empiricism. After a brief historical introduction, we study (i) the issue of causation and causal explanation in science; (ii) the arguments from Berkeley and Hume concerning the external world, and its effect on such modern philosophers as McDowell and Kuhn; and (iii) the case of post-Humean ethical theory. Throughout we emphasise the importance of these issues for the development of cognitive psychology and modern accounts of perception.

Textbooks

Readings will be available from University Copy Centre

PHIL 2213 Philosophy of Mind8 credit points. Dr Braddon-Mitchell. **Session:** 1. **Classes:** 2 hr lecture + 1hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3213. **Assessment:** essay and take-home exam.

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.

PHIL 2215 Intermediate Logic8 credit points. Dr McDermott. **Session:** 2. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy, and PHIL 1012 or PHIL 2203. **Prohibition:** PHIL 3215. **Assessment:** exam & exercises.

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.

*Textbooks*Mendelson. *Introduction to Mathematical Logic*. van Nostrand**PHIL 2216 Epistemology 2**8 credit points. Dr Bacon. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points of Philosophy. **Assessment:** Essay and exam.

What is knowledge, given the problem posed by Gettier counterexamples? To what extent does our knowledge depend upon a particular mode of organising our ideas? How do we get knowledge, and how ought we to revise our knowledge claims?

PHIL 2217 Construction and Deconstruction8 credit points. Dr Rayner. **Session:** 1, Summer. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3217 and PHIL 2409. **Assessment:** essay and take-home exam.

An introduction to themes in French post-structuralist philosophy. Close reading of selected texts will provide a basis for discussion of constructive approaches to philosophy, as well as the techniques of Derridean deconstruction. This unit will cover a range of issues of particular significance for social and political philosophy, including views about the nature of reason, justice, time, events, language, difference, freedom and power.

*Textbooks*Caputo, J. D. *Deconstruction in a Nutshell*, New York: Fordham University Press, 1997; Patton, P. *Deleuze and the Political*, London: Routledge, 2000; Selected readings available from the University Copy Centre.**PHIL 2219 Philosophy of Mathematics**8 credit points. Dr A Heathcote. **Session:** 2. **Classes:** 2hr lecture + 1hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3219. **Assessment:** essay and take home exam.

An examination of contemporary problems in the Philosophy of Mathematics. We will look at intuitionism, nominalism, Platonism, and constructivism in mathematics, while also discussing the reduction of mathematics to set theory, the Cantorian higher infinite (at some length) and the significance of the Gödel and Löb theorems.

Textbooks

To be made available through the University Copy Centre

PHIL 2239 Heidegger's Phenomenology

8 credit points. Dr Lumsden. **Session:** 2. **Classes:** 1hr lecture + 1hr tutorial/wk. **Prerequisite:** 12 Junior credit points in Philosophy. **Assessment:** One 2,000 word take-home exam (40%) and one 4,000 word essay (60%).

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 in the second division. Issues to be raised include Heidegger's critique of his teacher, Edmund Husserl, the relevance of Heidegger's work for cognitive science and whether Heidegger can be understood as an existentialist or a pragmatist.

Textbooks

Martin Heidegger, *Being and Time* (trans. J. Macquarrie & E. Robinson)

PHIL 2507 Indigenous Rights

8 credit points. **Session:** 2. **Classes:** 2hr lecture + 1hr tutorial per week. **Prerequisite:** 12 junior credit points in philosophy. **Prohibition:** PHIL 3507. **Assessment:** essay & take-home exam.

An examination of issues raised in connection with the political status of indigenous populations within liberal democracies. These will include questions about sovereignty, national identity, political representation, citizenship, minority rights, cultural rights and human rights. The course will also include consideration of recent Australian legal decisions such as *Mabo* and *Wik*. These issues will be discussed in relation to different currents within contemporary political theory.

Textbooks

Readings will be available from the Copy Centre.

Recommended reading

Will Kymlicka, *Multicultural Citizenship: A Liberal Theory of Minority Rights*, Oxford, 1995.

James Tully, *Strange Multiplicity: Constitutionalism in an age of diversity*, Cambridge University Press, 1995.

Galarruy yunupingu ed *Our Land Is Our Life*, UQP, 1997.

PHIL 2510 Philosophy of Law

8 credit points. Dr Benitez. **Session:** 1. **Classes:** 2hr lecture + 1hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3510. **Assessment:** essay and take-home exam.

This unit takes up the following issues in the philosophy of law: (1) Law and Liberty, (2) Legal Obligation, (3) Punishment, (4) Law and Morality, and (5) the Nature of Law. We shall begin with discussion concerning freedom of expression, which will lead naturally to questions about the duty of people to obey the law. Following that, we shall consider the desirability of sanctions for the law, take up the question of the justification of punishment, and consider arguments for punishment based on deterrence and retribution. This leads to consideration of the relation between law and morality in general and the question of where, if anywhere, the limits of the law are to be found. We will then be in a better position to evaluate the claims of legal positivism, legal realism and natural law theory.

Textbooks

Readings will be available from the University Copy Centre

PHIL 2512 History of Ethics

8 credit points. Dr Bacon. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial/wk. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3512. **Assessment:** essay and 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 2513 Moral Psychology

8 credit points. Dr Russell, Dr West. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3513. **Assessment:** Essay and take-home exam.

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? Should we seek to pursue the good in our own lives, or should we aim to go forth and produce as much of it as we can in the world, even if this may mean sometimes neglecting it in our own lives? 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? What motivates good action: reason or emotion? Is weakness of the will possible? Part III turns to questions about the foundations of morality and the

nature of moral judgements? Do moral judgements express speakers' beliefs about moral facts, or are they merely disguised expressions of the speaker's own personal thoughts or desires? Is morality just an illusion, or a social construction invented to help us all get along? The final part concerns the possible limits of morality. Should we be moral even if it makes us unhappy, or conflicts with our emotions? Or should we, as Nietzsche suggests, reject morality altogether.

PHIL 2515 Hannah Arendt

8 credit points. Dr Grumley. **Session:** 2. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Assessment:** one 3,000 word essay and one take-home exam (equivalent to 3,000 words).

No philosopher has generated as much interest in the last few years as Arendt. Both those interested in a fresh approach to political philosophy on left and right as well as contemporary feminists are amongst those struggling to appropriate her work. This course is an introduction to her thought focusing on her analysis of totalitarianism, critique of the social and her resuscitation of the republican tradition of political thought.

Textbooks

Arendt H, *The Origins of Totalitarianism*.

Arendt H, *The Human Condition*, Chicago Press.

Arendt H, *On Revolution*, Penguin.

PHIL 2516 Spinoza's Ethics

8 credit points. Professor Gatens. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 2010. **Assessment:** One 3000 word essay and one take-home exam equivalent to 3000 words.

A study of Spinoza's Ethics which will treat his epistemology, metaphysics and ethical theory.

Textbooks

Curley, E. (Trans. & ed.). *A Spinoza Reader: The Ethics and Other Works*. Princeton Uni Press, 1994.

Lloyd, G. *Spinoza and the Ethics*. Routledge, 1996.

PHIL 2517 Practical Ethics

8 credit points. Dr West. **Session:** 2. **Classes:** 2 x 1hr lectures per week, 1 x 1hr tute per week. **Prerequisite:** 12 Junior credit points in Philosophy or with permission of Lecturer / Chair of Department. **Assessment:** 1 x 3000 word essay (50%) 1 take-home exam (50%).

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.

PHIL 2533 Theories of Modernity 1

8 credit points. Dr Grumley. **Session:** 1. **Classes:** 2 hr lecture and 1 hr tutorial per week. **Prerequisite:** 12 junior credit points in Philosophy. **Prohibition:** PHIL 1007. **Assessment:** one 3,000 word essay and one take-home exam (equivalent to 3,000 words).

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.

Textbooks

Readings available from the University Copy Centre

PHIL 2535 Contemporary Political Philosophy

8 credit points. Professor Gatens. **Session:** 2. **Classes:** 2 hr lecture and 1 hr tut per week. **Prerequisite:** 12 Junior credit points in Philosophy. **Prohibition:** PHIL 3535. **Assessment:** One 3000 word essay and one take-home exam equivalent to 3000 words.

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 2801 Philosophy Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** 12 Junior credit points in Philosophy.

Department permission required for enrolment.
Inquire in department

PHIL 2802 Philosophy Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** 12 Junior credit points in Philosophy.

Department permission required for enrolment.
Inquire in department

PHIL 2803 Philosophy Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

PHIL 2807 Philosophy Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

PHIL 2808 Philosophy Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

PHIL 3011 Kant

8 credit points. A/Professor Redding. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 16 Senior credit points in Philosophy. **Prohibition:** PHIL 3021. **Assessment:** essay (3000 words) & take home exam (2 x 1500 words).

An introduction to Kant's critical philosophy, focussing on his critique of traditional metaphysics in the 'Critique of Pure Reason'. The unit of study will involve close and systematic reading of this text. It will also seek to locate Kant's distinctive approach with respect to earlier and later metaphysical and epistemological positions, and to address disputes about the meaning and adequacy of his views. Some attention will be given to Kant's heritage in continental European philosophy, as well as contemporary Analytic commentaries.

Textbooks

Immanuel Kant. Critique of Pure Reason, trans Paul Guyer and Allen Wood, Cambridge University Press, 1998.

Recommended: S. Gardner Routledge Philosophy Guidebook to Kant and the Critique of Pure Reason, Routledge, 1999.

PHIL 3012 Origins of Analytic Philosophy

8 credit points. Dr D Macarthur. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 16 Senior credit points in Philosophy.

Prohibition: PHIL 3022. **Assessment:** essay and exam.

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, (early and late) 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 and nonsense. One important concern of the course will be the various philosophical conceptions of 'analysis' and their criticism, especially in Wittgenstein's 'Philosophical Investigations'. This unit has no prerequisites (other than 16 senior credit points in Philosophy), but some grasp of elementary logic will be helpful. If you have not taken a formal logic course, you should look through an introduction to logic: Wilfred Hodges' 'Logic' (Penguin) is recommended.

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 3038 Hegel

8 credit points. A/Prof Redding. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 16 Senior credit points in Philosophy.

Prohibition: PHIL 3509. **Assessment:** essay and take home exam.

This course will focus on Hegel's mature social and political ideas as present in Elements of a Philosophy of Rights. Hegel offers one of the great alternative conceptualisations of modern politics and state to the dominant classical liberal tradition. This course will contextualise his ideas in terms of both their own development and of Hegel's philosophy as a whole. However, the emphasis will be on a careful reconstruction of Hegel's mature political philosophy and his critique of his most important competitors both then and now.

Textbooks

Hegel G W F, Elements of the Philosophy of Rights, (Ed Wood A), CUP 1991

PHIL 3212 Philosophy of Modern Physics

8 credit points. Dr Heathcote. **Session:** 2. **Classes:** 2hr lecture + 1hr tutorial per week. **Prerequisite:** 16 senior credit points in Philosophy.

Prohibition: PHIL 3223. **Assessment:** essay and take-home exam.

In this unit we will look at quantum mechanics, through a study of its central paradoxes: the EPR situation, Schrodinger's Cat, Wave-Particle duality, etc. We will work through the book by R.I.G. Hughes, using Albert's book for some additional material. The course will involve learning the mathematical basis for QM – though the level of mathematical sophistication required will not exceed ordinary high school mathematics. Relativity theory will be discussed only insofar as it bears upon the problem of interpreting quantum theory.

Textbooks

R.I.G.Hughes 'The Structure and Interpretation of Quantum Mechanics', Harvard Univ. Press; David Albert 'Quantum Mechanics and Experience' Harvard Univ Press.

PHIL 3216 Conditionals

8 credit points. Dr McDermott. **Session:** 1. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 16 Senior credit points in Philosophy.

Prohibition: PHIL 3220. **Assessment:** essay and take-home exam.

Is the world iffy? A sentence like 'If Hitler had invaded in 1940, Britain would have been defeated' seems to be about non-actual events. But many philosophers hold that the only genuine facts are facts about the actual course of events. Must we acknowledge conditional facts as well? Is there a might-have-been reality, as well as actual reality? This course looks at a variety of theories about the meaning of conditional sentences.

Textbooks

Readings will be available from the Copy Centre.

PHIL 3218 Pre-Honours Seminar

8 credit points. Dr Braddon-Mitchell. **Session:** 2. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisite:** 24 Senior credit points in Philosophy.

Assessment: class participation, including seminar presentation; long essay (6,000 words).

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. **Session:** 1, 2. **Prerequisite:** 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 (PHIL 3218), 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.

Department permission required for enrolment.

The requirements are five of the units listed below, together with a thesis on an approved topic (12,000 to 15,000 words, equivalent to three units). The thesis must be supervised by a member of the Department; students are encouraged to contact appropriate staff early in the year. Philosophy Honours consists of Philosophy A, B, C and D.

Kant

Assoc Prof Redding Semester 1

For details see PHIL 3011

Conditionals

Associate Professor McDermott Semester 1

For details see PHIL 3216

Hegel

Dr Lumsden. Semester 1

For details see PHIL 3038.

Origins of Analytical Philosophy

Dr Macarthur. Semester 1

For details see PHIL 3012.

Metaphilosophy

Dr Heathcote. Semester 1

A critical examination of the methods of philosophy. We will assess a number of argument types for their underlying significance and strength, with view to determining what

philosophy can achieve and whether its methods are likely to help it reach these goals. In the process we will look at a number of examples from the philosophical tradition to see whether the methods have been abused. The issue of whether philosophy is properly an extension of the sciences or whether it belongs to the humanities – in particular, literature – will be taken up, as will philosophy's traditional reluctance to examine its scope and limits.

Personal Identity, Agency and Normality

Dr West. Semester 1

Skepticism

Dr Macarthur. Semester 1

This unit will consider both ancient and modern skepticism and their differences and connections. We shall be particularly concerned to discover what implications skepticism has for our conception of reason and its limits, and the extent to which our ordinary epistemic practices rest on something we might call 'rational faith'. Different conceptions of the significance of skepticism will be discussed as well as the philosophical importance (or lack of it) of answering the skeptic.

Concepts and Conceptual Change

Dr Braddon-Mitchell. Semester 1.

This unit examines the nature of concepts, and key recent work on how they change. We will discuss contemporary empirical theories of concepts (a key collection is Lawrence and Margolis *Concepts: Core readings*, MIT 1999) and go on to look at recent explanations of how concepts can change their nature, while still being in some sense the same concept.

Ayer & Quine

Dr McDermott. Semester: 2.

Positivist views on meaning, and Quine's attack on them.

Rights and Norms

Professor Gatens. Semester 2

If rights are universal and norms particular, then how should we understand the relation between them? Do social, cultural and political norms shape our understanding of rights? Should rights always be understood as universal and norms particular? This unit will explore recent work on the justification of rights as well as criticisms of them. It will also examine case studies to do with Aboriginal rights and women's rights as well as explore the link between rights, cosmopolitanism and ideas of freedom.

Philosophy of Modern Physics

Dr Heathcote. Semester 2

For details see PHIL 3212.

Kant's Ethics

Professor Markus. Semester 2

The seminar will deal with two works of Kant's in moral philosophy, *The Groundwork of the Metaphysics of Morals* and *The Critique of Practical Reason*. It primarily aims at the critical interpretation of the texts, partly in view of the subsequent criticisms of Kant's position in the history of philosophy. Some of the problems to be discussed: the notion of the 'good' and the unconditional value of the good will; the formulas of the categorical imperative and the charge of formalism and rigorism; the 'deduction' of the moral law and the idea of a 'fact of reason'; the various conceptions of freedom in Kant: comparative, practical and transcendental; the antinomy of practical reason as it postulates; morality, faith and hope in Kant; the problem of the unity of reason.

Textbook: Kant: *Practical Philosophy* (Cambridge UP, 1996).

Habermas

Dr Grumley. Semester 2

After a general introduction to Habermas's main influences and themes taking up two classes, the bulk of the unit will be devoted to a critical reading of a selection of papers across his post-Theory of Communicative Action oeuvre. Topics will include the public sphere, critique of Marx, Weber and the Frankfurt School, universal pragmatics, discourse ethics, normative reconstruction of democratic theory, the welfare state, critique of modernity and cosmopolitanism and the post-national state in the era of globalism.

Textbook: Readings available from the University Copy Centre.

PHIL 4012 **Philosophy Honours B**

12 credit points. **Session:** 1, 2. **Corequisite:** PHIL 4011.

See PHIL 4011

PHIL 4013 **Philosophy Honours C**

12 credit points. **Session:** 1, 2. **Corequisite:** PHIL 4012.

See PHIL 4011

PHIL 4014 **Philosophy Honours D**

12 credit points. **Session:** 1, 2. **Corequisite:** PHIL 4013.

See PHIL 4011.

■ Studies in Religion

RLST 1002 **Introduction to History of Religions (B)**

6 credit points. Dr Carole Cusack, Dr Iain Gardner. **Session:** 1. **Classes:** one 2 hr lecture and one 1 hr lecture, one 1 hr tutorial. **Assessment:** One 1 hour exam (30%), one 2000 word essay (50%) and one tutorial paper and participation (20%).

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. Students are expected to specialise in traditions and themes of their own choice in writing essays.

RLST 1004 **New Religious Movements**

6 credit points. Dr Cusack, Prof Trompf. **Session:** 2. **Classes:** one 2 hour lecture & one 1 hour tutorial. **Corequisite:** RLST 1002. **Assessment:** One 2,000w essay, take-home exam, tutorial participation.

An introduction to the study of Twentieth and Twenty-first century new religious movements. The course will cover ISKCON, The Ananda Marga, Rastafarianism, and the New Age among others. It will examine the controversies that have surrounded new religious movements (including brainwashing, deprogramming, the role of the media in religious controversy, and religion and the law).

RLST 1801 **Religious Studies Exchange**

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 credit-point Senior 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.

RLST 2002 **Myth and Religion of the Celts**

8 credit points. Dr Cusack. **Session:** 2. **Classes:** one 2 hour lecture and one 1 hour tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** one 3,500w essay, one 1,500w text assignment, tutorial participation and presentation.

Investigates the mythology and religious practices of the Celtic peoples. The time frame ranges from the great Celtic prehistoric sites of Hallstatt (750–500 BCE) and La Tene (500 BC) to the flowering of medieval Irish and Welsh Christianity. A variety of sources will be used: archaeological materials; texts (by Classical and Christian observers and from within the Celtic tradition itself); folkloric survivals; and mythology from related Indo-European peoples. The unit of study will consider deities and the supernatural; sacred times and places; the institutions of kingship and the priesthood; the role of the divine feminine; death and the afterlife; and the conversion of the Celtic peoples to Christianity.

RLST 2005 **Christianity and the Medieval World**

8 credit points. Dr Gardner, Professor Trompf. **Session:** 2. **Classes:** one 2 hour lecture & one 1 hour tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** Two 2000w essays, 2 hour exam, participation.

From Constantine to the Early Renaissance. A survey of the chief landmarks of the Christian religion in its social setting, in terms of its significant beliefs, experiences and diverse cultural expressions. A third hour will be devoted to an exploration of some major philosophical and theological themes from the early centuries of Christianity to the Middle Ages.

Textbooks

Required: MacManners, John (ed.), *The Oxford History of Christianity*, Oxford University Press, 1993

RLST 2009 Buddhism

8 credit points. Dr Crangle. **Session:** 1. **Classes:** one 2 hr lecture, one 1 hr tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: one 3,500 wd essay (50%), one 1,000w tutorial paper and participation (20%), one 1,500w take-home exam (30%).

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

Examines the development of Buddhist traditions with a primary focus on India. The unit of study begins with a survey of the religious background in India at the time of the Buddha before moving on to consider his life, his teachings and the community he established. The development and spread of Buddhism within the Indian subcontinent and beyond will be examined in the context of the changing philosophical concerns and modes of religious practice of both Theravada and Mahayana Buddhism. Traditional and contemporary meditation practices will be examined as will the question of Buddhist attitudes towards nature and the possible contribution of Buddhism to environmental philosophy.

RLST 2011 Monotheism: Judaism and Islam

8 credit points. Dr Gardner. **Session:** 1. **Classes:** one 2 hr lecture, one 1 hr tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: two 2000 wd essays, examination.

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.

RLST 2012 Dualism: Zoroaster, Gnosis & Manichaeism

8 credit points. Dr Gardner. **Session:** 2. **Classes:** one 2 hour lecture & one 1 hour tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: two 2000w essays, tutorial paper and participation.

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.

RLST 2013 Philosophy-Religion(A)-Existence of God

8 credit points. Professor Trompf. **Session:** 2. **Classes:** 2 hour lecture & 1 hour tutorial/week. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: two 3,000w essays.

Examines a number of topics that are traditionally taken to demarcate the philosophy of religion. Primary among these are questions concerning the existence of God and questions concerning the nature of religious language and faith. We will ask: Can belief in God be rationally justified? Are words about God meaningful? What role does faith play in religion? What are the implications of religious pluralism for religious faith? Our analysis will focus upon arguments within Western philosophy, and hence upon the Christian tradition which underlies such discussion.

Textbooks

Klemke, E.D., To Believe or Not to Believe: Readings in the Philosophy of Religion

RLST 2020 Contemporary Religion and Politics

8 credit points. Professor Trompf. **Session:** 1. **Classes:** one 2 hour lecture and one 1hr tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** Two 2,500w assignment/essay or one 5000w essay.

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

Suter, K., Global Change

Trompf, G.W. (ed.), Islands and Enclaves

RLST 2023 Meditation and Spiritual Practice

8 credit points. Dr Crangle. **Session:** 2. **Classes:** one 2 hour lecture, one 1 hr tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: one 2,500 wd essay (50%), one tutorial paper (20%), exam (30%).

Introductory examination of systems of meditative practices found mainly in Hindu and Buddhist traditions. Reference will be made to practices followed within Christian traditions. Theoretical/doctrinal/textual foundations are critically examined, with attention to the interpretive problems they present. The unit of study aims to enable students to gain an intellectual understanding of meditation and an ability to consider critically the issues it raises.

RLST 2025 Religion and the Arts

8 credit points. Mr C. Hartney. **Session:** 1. **Classes:** One 2 hour lecture & one 1 hour tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: two 3,000w essays, tutorial participation.

An investigation into the various ways in which the arts – music, dance, literature and visual art – relate to religious life. Lectures and tutorials will introduce students to the world of religion and art in the traditions of China, India, the Middle East and Europe. The interpretation will particularly focus upon the way a people's understanding of the sacred shapes the significance they give to the arts.

RLST 2026 Witchcraft, Paganism and the New Age

8 credit points. Dr Cusack. **Session:** 1. **Classes:** one 2 hour lecture & one 1 hour tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: One 1500 wd book review, one 3,000 wd 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.

RLST 2027 Religion in Multicultural Australia

8 credit points. Chris Hartney. **Session:** Summer. **Classes:** one 2 hr lecture, one 1 hr tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** take-home exam (30%) tutorial participation (20%) one 3000 wd essay (50%).

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

This unit introduces the role played by religion in Australian culture, covering the indigenous Aboriginal religions and the introduced religions of migrants. Contrasting the place of Christianity in the foundation of convict colonies with that of the communities founded by the Pilgrim Fathers in America; considering minority religions (notably Judaism and Islam) in nineteenth century Australia; noting political factors (eg, Constitutional protection of religious freedom, White Australia Policy); and finally assessing the multicultural and multi-faith community which is contemporary Australia.

RLST 2028 Religion and Film

8 credit points. Dr Cusack. **Session:** 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.

Assessment: 2000wd Take home exam (30%); 3000wd essay (50%); tutorial participation (20%).

This unit analyses the position of religion in a range of films, such as the presentation of Buddhism in recent Western films (Kundun, 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 (eg, the PNG ethnographic documentaries of Bob Connolly and Robin Anderson, First Contact etc); and the depiction of post-modern religious concerns in science fiction (Blade Runner, The Matrix etc).

RLST 2801 Religious Studies Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 credit-point Senior 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.

RLST 2802 Religious Studies Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 credit-point Senior 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.

RLST 2803 Religious Studies Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 credit-point Senior 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.

RLST 2807 Religious Studies Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 credit-point Senior 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.

RLST 2808 Religious Studies Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 8 credit-point Senior 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.

RLST 4011 Religious Studies Honours A

12 credit points. Prof Trompf. **Session:** 1, 2. **Classes:** 2hr seminar.

Prerequisite: Credit average in 32 senior credit points of Studies in Religion. **Assessment:** Thesis of 12–15000 words (= 50% total); Honours seminar (= 30%), One 6000 level class each semester (= 20%).

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'.

RLST 4012 Religious Studies Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** RLST 4011.

Refer to RLST 4011

RLST 4013 Religious Studies Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** RLST 4012.

Refer to RLST 4011

RLST 4014 Religious Studies Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** RLST 4013.

Refer to RLST 4011

■ Russian

RSSN 1003 Introductory Russian 1

6 credit points. Coordinator: Dr Stern. **Session:** 1. **Classes:** 5 hours per week. **Assessment:** Continuous assessment (10 written assignments each equivalent to 150 words, 2 class tests each equivalent to 500 words), one 2 hour examination.

An introductory unit designed for students with little or no previous knowledge of Russian. Basic language skills are developed (oral and written). Students are introduced to the basic features of the Russian phonological and morphological system.

Textbooks

G. Stilman, L. Stilman and W. Harkins, *Introductory Russian Grammar* (John Wiley & Sons)

RSSN 1004 Introductory Russian 2

6 credit points. Coordinator: Dr Stern. **Session:** 2. **Classes:** 5 hours per week. **Prerequisite:** RSSN 1003. **Assessment:** Continuous assessment (10 written language assignments each equivalent to 120 words, oral assessment equivalent to 300 words, 2 class tests each equivalent to 500 words), one 2 hour examination.

This unit is a continuation of RSSN 1003, covering the main concepts of Russian grammar and vocabulary. The unit will stress all four skills: listening, speaking, reading, and writing.

Textbooks

G. Stilman, L. Stilman and W. Harkins, *Introductory Russian Grammar* (John Wiley & Sons)

RSSN 2001 Intermediate Russian 1

8 credit points. Coordinator: Dr Stern. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** RSSN 1004. **Assessment:** Continuous assessment (10 oral assessments each equivalent to 100 words, 2 oral tests each equivalent to 250 words, 10 written assignments each equivalent to 150 words, 2 class tests each equivalent to 500 words), one 2 hour examination.

This is an intermediate Russian unit involving further study of grammar, developing the skills of written and oral expression and ability to read simple texts.

Textbooks

G. Stilman, L. Stilman and W. Harkins, *Introductory Russian Grammar* (John Wiley & Sons)

S. Khavronina, *Russian as we speak it* (Russky Yazyk Publishers)

RSSN 2002 Intermediate Russian 2

8 credit points. Coordinator: Dr Stern. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** RSSN 2001. **Assessment:** Continuous assessment (10 oral assessments each equivalent to 100 words, 2 oral tests each equivalent to 250 words, 10 written assignments each equivalent to 150 words, 2 class tests each equivalent to 500 words), one 2 hour examination.

This is a second intermediate unit involving further study of grammar, developing the skills of written and oral expression and ability to read simple literary texts.

Textbooks

G. Stilman, L. Stilman and W. Harkins, *Introductory Russian Grammar* (John Wiley & Sons)

S. Khavronina, *Russian as we speak it* (Russky Yazyk Publishers)

RSSN 2801 Russian Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2.

Department permission required for enrolment.

Department permission required for enrolment.

RSSN 2802 Russian Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2.

Department permission required for enrolment.

Department permission required for enrolment.

RSSN 3801 Russian Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2.

Department permission required for enrolment.

Department permission required for enrolment.

RSSN 3802 Russian Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** 1, 2.

Department permission required for enrolment.

Department permission required for enrolment.

■ Sanskrit

SANS 1001 Sanskrit Introductory 1

6 credit points. Dr Oldmeadow. **Session:** 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. Students will be expected to devote a minimum of eight hours a week in home study.

Textbooks

Hart, G., *A Rapid Sanskrit Method* (Motilal Banarsidass)

SANS 1002 Sanskrit Introductory 2

6 credit points. Dr Oldmeadow. **Session:** 2. **Classes:** 3hrs/week.

Prerequisite: 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 2001 Sanskrit Intermediate 1

8 credit points. Dr Oldmeadow. **Session:** 1. **Classes:** 3hrs/week. **Prerequisite:** SANS 1002. **Assessment:** Classwork and examination. This unit will complete the more advanced grammatical forms in the first few weeks 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 2002 Sanskrit Intermediate 2

8 credit points. Dr Oldmeadow. **Session:** 2. **Classes:** 3hrs/week. **Prerequisite:** SANS 2001. **Assessment:** classwork and examination. 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, Hitopadesha, and Mahabharata.

Textbooks

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

SANS 2901 Sanskrit Research Preparation 1

4 credit points. Dr Oldmeadow. **Session:** 1. **Prerequisite:** Credit result in SANS 1002. **Corequisite:** SANS 2001. **Assessment:** Two hour examination.

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 2902 Sanskrit Research Preparation 2

4 credit points. Dr Oldmeadow. **Session:** 2. **Prerequisite:** SANS 2901, Credit result in SANS 2001. **Corequisite:** SANS 2002. **Assessment:** two hour examination.

This unit builds on materials covered in SANS 2901.

SANS 3001 Sanskrit Advanced 1

8 credit points. Dr Oldmeadow. **Session:** 1. **Classes:** 3hrs/week. **Prerequisite:** SANS 2002. **Assessment:** classwork and examination. 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 3002 Sanskrit Advanced 2

8 credit points. Dr Oldmeadow. **Session:** 2. **Classes:** 3hrs/week. **Prerequisite:** SANS 3001. **Assessment:** classwork and examination. This unit will be devoted to reading a range of Sanskrit literature including the commentarial literature. Readings will be drawn from texts such as the Raghuvamsa, Bodhicaryavatara and the Upanishads.

SANS 3901 Sanskrit Research Preparation 3

4 credit points. Dr Oldmeadow. **Session:** 1. **Prerequisite:** Credit result in SANS 2002, SANS 2901, SANS 2902. **Corequisite:** SANS 3001. **Assessment:** Two hour examination.

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 3902 Sanskrit Research Preparation 4

4 credit points. Dr Oldmeadow. **Session:** 2. **Prerequisite:** SANS 3901, Credit result in SANS 3001. **Corequisite:** SANS 3002. **Assessment:** two hour examination.

This unit builds on material covered in SANS 3901.

SANS 4001 Sanskrit IV Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Credit results in SANS 2901, SANS 2902, SANS 3901, SANS 3902.

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. **Session:** 1, 2. **Corequisite:** SANS 4001.

SANS 4003 Sanskrit IV Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** SANS 4002.

SANS 4004 Sanskrit IV Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** SANS 4003.

■ Social Policy

SCPL 3001 Australian Social Policy

8 credit points. Professor Bettina Cass. **Session:** 1. **Classes:** one lecture and one 2hr tutorial/week. **Prerequisite:** 16 Senior level Sociology credit points chosen from the following four units: Sociological Theory SCLG 2520, Social Inquiry: Research Methods SCLG 2521, Social Inequality in Australia SCLG 2529 or Comparative Sociology of Welfare States SCLG 2509. **Assessment:** 3,000 word essay (50%), 2,000 word seminar paper (40%), seminar presentation (10%).

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. Readings will be available.

SCPL 3002 Principles of Social Policy

8 credit points. Dr Alec Pemberton. **Session:** 2. **Classes:** one lecture and one 2hr tutorial/week. **Prerequisite:** SCPL 3001. **Assessment:** 6,000 words or equivalent to include essay (70%), classwork (30%).

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. Readings will be available.

■ Social Sciences

SSCI 1001 Social Political and Economic Thought

6 credit points. Dr Jennifer Wilkinson. **Session:** 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%).

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 2002 Social, Political and Economic Thought 2

8 credit points. Dr Jennifer Wilkinson. **Session:** 2. **Classes:** one 1 hr lecture and one 2 hr tutorial per week. **Prerequisite:** SSCI 1001 or SSCI 2001. **Assessment:** Class presentation and participation (20%), 2,000 words essay (40%), 3,000 words take-home exam (40%).

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, and will provide students with an advanced understanding of the central themes, debates and problems running through current social, political and economic thought and in social science research more generally. Readings will be available.

SSCI 3001 Social Sciences Internship

16 credit points. Dr Jennifer Wilkinson. **Session:** 1, 2. **Classes:** Minimum 210 hours of monitored work place experience, plus supervisory consultations. **Prerequisite:** SSCI 1001 or SSCI 2001, SSCI 2002.

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.

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, 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 3002 Internship Research Paper

8 credit points. Dr Jennifer Wilkinson. **Session:** 1, 2. **Classes:** Independent research with compulsory supervisory consultations. **Prerequisite:** SSCI 1001 or SSCI 2001, SSCI 2002. **Corequisite:** SSCI 3001. **Assessment:** 3,000 words professional journal (50%), 3,000 words research essay (50%).

Bachelor of Social Sciences only

The Internship Research Paper provides an opportunity for students to reflect on their experiences during the internship in a social sciences environment (SSCI 3001). Students will keep a reflective journal recounting their thoughts and experiences during the internship. Students, in consultation with a supervisor from the Bachelor of Social Sciences program, will formulate a topic for their 3000 word research paper, 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. **Session:** 1, Summer. **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 is designed to introduce students to the study of sociology by critically analysing contemporary Australian society. A range of sociological concepts will be presented which challenge the way in which society is organised and understood. Students will be encouraged to analyse existing social phenomena based on sociological concepts and perspectives. Readings will be available.

SCLG 1002 Introduction to Sociology 2

6 credit points. **Session:** 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 Australian society. Topics such as gender, sexuality, ethnicity, multiculturalism, 'social deviance' and family life will be explored. Readings will be available.

SCLG 1801 Sociology Exchange

6 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SCLG 2501 Contemporary Cultural Issues

8 credit points. Dr Annette Falahey. **Session:** 2. **Classes:** one 1 hr lecture/week plus 2 hr seminars per week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** 6,000 words or equivalent.

This unit of study will examine key issues and debates within current sociological writings on culture. It will assess critically a range of cultural issues pertinent to structuralist, poststructuralist, deconstructionist as well as postmodern accounts of contemporary culture. An aim of this unit is to link concepts of culture to specific case studies, in order to facilitate the joining of theory with research. This aim will be achieved through addressing various issues, including analysis of cultural representations, popular culture, as well as the role of agency within cultural formations.

SCLG 2504 Science, Technology and Social Change

8 credit points. Christine Crowe. **Session:** 2, Summer. **Classes:** 3 hrs/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** 6,000 words or equivalent, classwork (15%), one essay (20%), final report (65%).

This unit examines a range of sociological theories and debates concerning science and technology. Students will investigate the two-way relationship between science/technology and society – ie, the social shaping of science and technology, and the impact of science and technology on society. Issues to be examined include the social production of science and technology, the science-technology relationship, the politics and economics of science and technology, science and technology in medicine, in reproduction, in the workplace, and the role of science and technology in environmentalism and the environmental movement.

SCLG 2509 Comparative Sociology of Welfare States

8 credit points. Professor B. Cass. **Session:** 2. **Classes:** 2 hr lecture plus 1 hr seminar/week. **Prerequisite:** SCLG 1001 and SCLG 1002.

Assessment: One 3,000 word essay (50%), one 2,000 word seminar paper (40%), seminar presentation (10%).

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 2510 Self and Society

8 credit points. Associate Professor Joanne Finkelstein. **Session:** 2.

Classes: one 1 hr lecture and one 2 hr seminar/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** One 3,000 word essay (35%), one 2 hr exam (50%), classwork (15%).

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 2520 Sociological Theory

8 credit points. Dr Craig Browne. **Session:** 1. **Classes:** one 2 hr lecture and one 1 hr tutorial. **Prerequisite:** SCLG 1001 and SCLG 1002.

Prohibition: Students may not enrol in SCLG 2520 if they have previously completed SCLG 2001 Sociological Theory. **Assessment:** 3,000 word essay or equivalent (50%), exam (40%), classwork (10%).

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 2521 Social Inquiry: Research Methods

8 credit points. Dr Fran Collyer. **Session:** 2. **Classes:** three hrs/week consisting of one lecture plus one tutorial. **Prerequisite:** SCLG 1001 and SCLG 1002 or SCWK 2003. **Prohibition:** Students may not enrol in SCLG 2521 if they have previously completed SCLG 2002 Social Inquiry: Research Methods in Sociology. **Assessment:** One take-home exam (20%), one workbook (60%), participation in class exercises (20%).

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 2522 Sociology of Childhood and Youth

8 credit points. Associate Professor Robert van Krieken. **Session:** 2. **Classes:** 3 hrs/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** 6,000 words or equivalent written assignment and take-home exam (70%), classwork (30%).

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 2523 Social Construction of Difference

8 credit points. Dr Alec Pemberton and Christine Crowe. **Session:** 1. **Classes:** three hrs/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Prohibition:** Students may not enrol in SCLG 2523 if they have previously completed SCLG 2004 Sociology of Deviance. **Assessment:** One 5,000 word essay or equivalent (70%), classwork (30%).

Students will begin by looking at the problematic nature of the term 'deviance' in sociology, at the contested nature of a concept used both as a lay evaluation of conduct, persons or social settings, as well as a term used by sociologists adopting the perspective of those involved in policing and correction to characterise those transgressing moral and legal boundaries. The confusion that this has engendered in the analysis of rule breaking conduct has led to a commonsense content for the sociology of deviance and a correctional focus that leaves rules largely unexamined. Instead, this unit of study has a wider interest than traditional criminology or corrections, and takes as its subject matter a diverse range of social settings and personal conduct in order to encourage students to identify the historical origins of the rules that govern them, the way in which some settings become officially designated as deviant along with the persons and conduct that are found in them, and at the origin and types of social control that are exerted to maintain conformity with rules. The consequences of these attempts at control are also analysed. Theories of deviance will be examined, and particular forms of deviance will be analysed – eg, alcohol abuse, hygiene, food disorders, sexual conduct and sexual abuse.

SCLG 2525 Madness, Difference and Normality

8 credit points. Dr Alec Pemberton and Christine Crowe. **Session:** 2. **Classes:** three hrs/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Prohibition:** Students may not enrol in SCLG 2525 if they have previously completed SCLG 2006 Sociology of Mental Illness. **Assessment:** 6,000 words or equivalent assignment (70%), classwork (30%).

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 2526 Sociology of Health and Illness

8 credit points. Dr Fran Collyer. **Session:** 1. **Classes:** one 2 hr lecture and one 1 hr tutorial per week. **Prerequisite:** SCLG 1001 & SCLG 1002. **Assessment:** 6,000 words or equivalent written work (60%), class group work (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 2529 Social Inequality in Australia

8 credit points. Dr Craig Browne. **Session:** 1. **Classes:** 3 hrs per week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Prohibition:** Students may not enrol in SCLG 2529 if they have previously completed SCLG 2010 Social Inequality in Australia. **Assessment:** 3,000 word essay (50%), take-home exam (40%), classwork (10%).

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 2535 Law and Social Theory

8 credit points. Associate Professor Robert van Krieken. **Session:** 2. **Classes:** 2 hrs lecture and 1 hr tutorial per week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** Tutorial participation (10%), 3,500 word essay (50%), 2,000 word take-home exam (40%).

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 2536 Social Justice Law and Society

8 credit points. Associate Professor Robert van Krieken. **Session:** 1. **Classes:** 3 hrs/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Prohibition:** Students may not enrol in SCLG 2536 if they have previously completed SCLG 2017 Social Justice Law and Society. **Assessment:** 6,000 words or equivalent written assignment and take-home exam (70%), classwork (30%).

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 2537 Media in Contemporary Society

8 credit points. Dr Annette Falahey. **Session:** 1. **Classes:** three hrs/week. **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. **Prerequisite:** SCLG 1001 and SCLG 1002. **Prohibition:** Students may not enrol in SCLG 2537 if they have previously completed SCLG 2018 Media in Contemporary Society. **Assessment:** 6,000 word or equivalent essay (50%), classwork (50%).

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 programs 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 2560 Global Transformations

8 credit points. Dr Craig Browne. **Session:** 2. **Classes:** one 2 hr lecture and one 1 hr tutorial per week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** 3,000 word essay (50%), 1,000 word tutorial paper (20%), 2 hours of formal exams (30%).

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 2801 Sociology Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SCLG 2802 Sociology Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SCLG 2803 Sociology Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SCLG 2807 Sociology Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SCLG 2808 Sociology Exchange

4 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SCLG 3002 Contemporary Sociological Theory

8 credit points. Associate Professor Joanne Finklestein. **Session:** 1. **Classes:** one 3hr seminar/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** 6,000 words or equivalent essay (70%), classwork (30%).

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 3003 Empirical Sociological Methods

8 credit points. Dr Fran Collyer. **Session:** 2. **Classes:** three hrs/week. **Prerequisite:** SCLG 1001 and SCLG 1002. **Assessment:** 6,000 words or equivalent written (80%), oral (20%).

This unit addresses the political, ethical and practical problems that may arise during the process of conducting research, the social context of research, and assists students to develop research proposals which logically link theory, method, data and analysis. In the seminars we will critically examine the work of other researchers to identify the strengths and weaknesses of their approaches. For assessment, students will select a topic of their own choosing and develop a theoretically informed research proposal. This unit assumes a basic knowledge of social research methods.

Textbooks

TBA

SCLG 4011 Sociology Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Credit average in 32 credit points of Senior level Sociology.

Department permission required for enrolment.

Sociology IV students are required to undertake:

- Two units of study in Semester 1. Each is worth 20% of the final Sociology IV mark (ie, 40% in total). Two classes: February, each is 3 hrs/week. Assessment: see individual description.
- Research Seminar. Classes: July, one 2 hr seminar per fortnight. Assessment: progress reports on dissertation and presentation of paper on student's research.

- Thesis. Write a thesis between 15,000 and 20,000 words. Arrangements concerning dissertation topics and supervision will be made in the preceding year. The thesis will be worth 60% of the final Sociology IV mark.

SCLG 4012 Sociology Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** SCLG 4011.

Refer to SCLG 4011.

SCLG 4013 Sociology Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** SCLG 4012.

Refer to SCLG 4011.

SCLG 4014 Sociology Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** SCLG 4013.

Refer to SCLG 4011.

■ Spanish

SPAN 1001 Introductory Spanish 1

6 credit points. Professor Newbigin. **Session:** 1, Summer. **Classes:** 1 lecture, 4 tutorials, 1 hour language laboratory (self-instruction).

Prohibition: Not to be taken by students with prior knowledge of Spanish. **Assessment:** Five 1-hour tests/sem, assignments, oral work. For students who have little or no knowledge of Spanish, Introductory Spanish 1 provides students with a sound basis of spoken and written Spanish and introduces them to the history and culture of Spain and Latin America.

Textbooks

Es Espanol 1: Libro del alumno (Instituto Cervantes, Espasa-Calpe)

Cabot, SPAN 1001 Laboratory workbook (from Copy Centre)

Recommended reference books

Aldaraca and Baker, Spanish Grammar (Harcourt, Brace, Jovanovic)

Schmitt, Spanish Grammar (Shaum)

Recommended reader:

Miquel and Sans, Vacaciones al Sol (Difusión)

SPAN 1002 Introductory Spanish 2

6 credit points. Professor Newbigin. **Session:** 2. **Classes:** 1 lecture, 4 tutorials per week, 1 hour language laboratory (self-instruction).

Prerequisite: SPAN 1001. **Assessment:** Five 1-hour tests/sem, assignments, oral work.

Students with some limited prior knowledge of Spanish who are ineligible for SPAN 1001 may apply to enter SPAN 1002 with advanced standing. Consult SLC office.

Builds on SPAN 1001 Introductory Spanish 1.

Textbooks

Es Espanol 1: Libro del alumno (Instituto Cervantes, Espasa-Calpe)

Cabot, SPAN 1002 Laboratory workbook (from Copy Centre)

Recommended reference books

Aldaraca and Baker, Spanish Grammar (Harcourt, Brace, Jovanovic)

Schmitt, Spanish Grammar (Shaum)

Recommended reader:

Miquel and Sans, Vacaciones al Sol (Difusión)

SPAN 2001 Intermediate Spanish 1

8 credit points. Professor Newbigin. **Session:** 1. **Classes:** 2-hour audiovisual tutorial, 2-hour grammar and reading tutorial, 2-hour lecture.

Prerequisite: SPAN 1002. **Assessment:** Five 1-hour tests/sem, essays, oral work.

Students with prior knowledge of Spanish who are ineligible for SPAN 1001/2 may apply to enter SPAN 2001 with advanced standing. Consult SLC office.

Intermediate Spanish further develops the four languages skills, through a comprehensive audiovisual program and an intensive program of grammar, reading and written expression. Cultural and critical expertise is developed through a Cultural Studies lecture program.

Textbooks

to be advised

SPAN 2002 Intermediate Spanish 2

8 credit points. Professor Newbigin. **Session:** 2. **Classes:** 2-hour audiovisual tutorial, 2-hour grammar and reading tutorial, 2-hour lecture.

Prerequisite: SPAN 2001. **Assessment:** Four 1hr tests/sem, essays, oral work.

Continues from SPAN 2001.

Textbooks

to be advised

SPAN 3801 Spanish Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SPAN 3802 Spanish Exchange

8 credit points. **Session:** 1, 2.

Department permission required for enrolment.

SPAN 3803 Spanish Exchange

8 credit points. **Session:** 1, 2.
Department permission required for enrolment.

SPAN 3806 Spanish Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

SPAN 3807 Spanish Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

SPAN 3808 Spanish Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

SPAN 3809 Spanish Exchange

4 credit points. **Session:** 1, 2.
Department permission required for enrolment.

■ Thai

THAI 1103 Thai Introductory Written 1

3 credit points. Ms Jiraratwatana. **Session:** 1. **Classes:** 2 hours per week. **Assumed knowledge:** Proficiency in spoken Thai equivalent to that attained in THAI 1105. **Prohibition:** THAI 1105. **Assessment:** Assignments equivalent to 500 words(5%); 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 1105.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 1104 Thai Introductory Written 2

3 credit points. Ms Jiraratwatana. **Session:** 2. **Classes:** 2 hours per week. **Assumed knowledge:** Proficiency in spoken Thai equivalent to that attained in THAI 1106, plus limited knowledge of written Thai.

Prerequisite: THAI 1103 or department permission. **Prohibition:** THAI 1106. **Assessment:** Assignments equivalent to 500 words(5%); three written class tests (10%); two 45- minute exams (80%); classwork (5%).

An extension of work done in THAI 1103. 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 1105 Introductory Thai 1

6 credit points. Ms Jiraratwatana. **Session:** 1. **Classes:** 5 hours per week. **Prohibition:** THAI 1101, THAI 1103. **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 Introductory Thai 2

6 credit points. Ms Jiraratwatana. **Session:** 2. **Classes:** 5 hours per week. **Prerequisite:** THAI 1105 or THAI 1101 plus THAI 1103 or department permission. **Prohibition:** THAI 1102, THAI 1104. **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 2101 Thai Intermediate 1

8 credit points. Ms Jiraratwatana. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** THAI 1104 or THAI 1106 or department permission. **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 2102 Thai Intermediate 2

8 credit points. Ms Jiraratwatana. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** THAI 2101 or departmental permission.

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 2101.

Textbooks

Materials are available for purchase from the University Copy Centre.

THAI 3101 Thai Advanced 1

8 credit points. Ms Jiraratwatana. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** THAI 2102 or department permission.

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 3102 Thai Advanced 2

8 credit points. Ms Jiraratwatana. **Session:** 2. **Classes:** 4 hrs/week.

Prerequisite: THAI 3101 or department permission. **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 3101.

Textbooks

Materials are available for purchase from the University Copy Centre.

■ Yiddish

YDDH 1101 Yiddish B1

6 credit points. **Session:** 1. **Classes:** 5 hours per week. **Assessment:** Continuous assessment, two exams, one essay.

YDDH 1101 is comprised of two components: Yiddish language and an introduction to the history of Yiddish and Yiddish culture. In the language component, students will be introduced to Yiddish through a study of its grammar, as well as exercises in conversation and reading. The culture component will include discussions of the development and diffusion of the Yiddish language and the culture of Ashkenazic Jewry until the advent of World War II.

YDDH 1102 Yiddish B2

6 credit points. **Session:** 2. **Classes:** 5 hours per week. **Prerequisite:** YDDH 1101. **Assessment:** Continuous assessment, two exams, one essay.

YDDH 1102 is broken down into two components: Yiddish language and an introduction to Yiddish literature through translation. A continuation of YDDH 1101, this unit of study will strengthen the student's understanding of Yiddish grammar and vocabulary. The literature component will introduce students to the body of Yiddish literature as it exists in translation, from the Middle Ages until the present day.

YDDH 2103 Yiddish B3

8 credit points. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** YDDH 1102. **Assessment:** One exam; continuous assessment.

YDDH 2103 is designed to strengthen the language foundations built in the first year units. The unit will focus upon conversation and composition, and includes the reading of selected texts from modern Yiddish literature, as well as discussion of topics presented in 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 2104 **Yiddish B4**

8 credit points. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** YDDH 2103. **Assessment:** One exam; continuous assessment.

As with YDDH 2103, Yiddish B4 will emphasise conversation and composition, and includes the reading of various texts from modern Yiddish literature. The unit of study includes: practical language skills (3 hours per week) and readings from modern literature (1 hour per week).

YDDH 3105 **Yiddish B5**

8 credit points. **Session:** 1. **Classes:** 4 hours per week. **Prerequisite:** YDDH 2104. **Assessment:** One exam; continuous assessment.

Students will further those language skills obtained in YDDH 2104 with the focus on improving their fluency in comprehension and conversation. The unit of study consists of: 2 hours per week of the study of Modern Yiddish literature, culture and history; and 2 hours per week of the study of grammar, including composition and conversation.

YDDH 3106 **Yiddish B6**

8 credit points. **Session:** 2. **Classes:** 4 hours per week. **Prerequisite:** YDDH 3105. **Assessment:** One exam; continuous assessment.

As with YDDH 3105, the emphasis of this unit is on comprehension and communication. Students will read, analyse and discuss literature, as well as discuss topics in historical, linguistic and cultural essays as determined by the interests of the students.

This unit of study consists of 2 hours per week of the study of Modern Yiddish literature, culture and history; and 2 hours per week of composition and conversation.

Table of units of study (Part A)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Aboriginal Studies							
KOCR 2100	Indigenous Australia	8	P 18 Junior credit points.				1, 2, Summer
KOCR 2101	Indigenous Australia: Land and Culture	8	P KOCR 2100. NB: BEDSec (Aboriginal Studies) in Semester one only. Other students only in semester 2.				1, 2
KOCR 2102	Indigenous Australia: Policy and Power	8	P KOCR 2100. NB: B.A and B.Educ students in Semester 2.				2
KOCR 2111	Health & Community in Aboriginal Aust	8	P KOCR 2100. NB: Offered to Dip.Educ. students in semester 2 only. Other students in semester 1 only.				1, 2
■ Ancient History							
ANHS 1003	Foundations for Ancient History: Greece	6					1
ANHS 1004	Power and Persuasion: Near East and Rome	6					2
ANHS 1801	Ancient History Exchange	6				NB: Department permission required for enrolment.	1, 2
ANHS 2003	Ancient Greek Democracy	8	P 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2
ANHS 2005	Despots, Priests and People	8	P 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 2801	Ancient History Exchange	8				NB: Department permission required for enrolment.	1, 2
ANHS 2802	Ancient History Exchange	8				NB: Department permission required for enrolment.	1, 2
ANHS 2803	Ancient History Exchange	8				NB: Department permission required for enrolment.	1, 2
ANHS 2807	Ancient History Exchange	4				NB: Department permission required for enrolment.	1, 2
ANHS 2808	Ancient History Exchange	4				NB: Department permission required for enrolment.	1, 2
ANHS 2901	Ancient Historians Rethink History I	4	P Credit or above result in 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 2902	Ancient Historians Rethink History II	4	P ANHS 2901 or HSTY 2901. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2
ANHS 3902	The Mediterranean World 52–30 BC II	4	P ANHS 3911. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2
ANHS 3903	Documents and Ancient History (Greek)	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902; HSC Greek or GRKA 1001 & 1002 or GRKA 2301 & 2302. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2
ANHS 3904	Documents and Ancient History (Latin)	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902; HSC Latin or LATN 1001 & 1002 or LATN 2301 & 2302. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 3905	Research in Ancient History	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902. N ANHS 3924.				2
ANHS 3911	The Mediterranean World 88–49 BC	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 3921	Assyrian Imperialism	4	P Credit results in 24 Senior credit points of Ancient History or History including ANHS 2901 & 2902 or HSTY 2901 & 2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 3922	Akkadian Language II	4	P ANHS 3923. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2
ANHS 3923	Akkadian Language I	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902; or HSC Hebrew, HBRW 1111, Arabic 1, or equivalent in these or another Semitic language. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 3925	Amarna Age I	4	P ANHS 3922 or equivalent. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				1
ANHS 3926	Amarna Age II	4	P ANHS 3925. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ANHS 4011 Ancient History Honours A	12	P Credit average in 48 Senior cp in ANHS or HSTY including 16 cp at ANHS 3900 or HSTY 3900 level or equivalent. <i>NB: Department permission required for enrolment.</i>					1, 2
ANHS 4012 Ancient History Honours B	12	P Refer to ANHS 4011. C ANHS 4011.					1, 2
ANHS 4013 Ancient History Honours C	12	P Refer to ANHS 4011. C ANHS 4012.					1, 2
ANHS 4014 Ancient History Honours D	12	P Refer to ANHS 4011. C ANHS 4013.					1, 2
■ Anthropology							
ANTH 1001 Anthropology and Cultural Difference	6	N ANTH 1003.					1
ANTH 1002 Globalisation and Experience	6	N ANTH 1004.					2, Summer
ANTH 1801 Social Anthropology Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 1802 Social Anthropology Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 2001 Ethnography of Mainland Southeast Asia	8	P 12 Junior credit points of Anthropology.					2
ANTH 2007 Ritual and Festivity in Brazil	8	P 12 Junior credit points of Anthropology.					1
ANTH 2016 Indonesian Cultures: Bali to Borneo	8	P 12 Junior credit points of Anthropology.					Summer
ANTH 2019 Chinese in Southeast Asia	8	P 12 Junior credit points of Anthropology.					1
ANTH 2021 Initiation Rituals	8	P 12 Junior credit points of Anthropology.					2
ANTH 2022 Ethnographic Film	8	P 12 Junior credit points of Anthropology. N ANTH 2106.					1, Summer
ANTH 2023 Gender: Anthropological Studies	8	P 12 junior credit points of Anthropology. N ANTH 2020 Studies in Melanesian Gender.					2
ANTH 2025 Aboriginal Australia: Cultural Journeys	8	P 12 Junior credit points of Anthropology. N ANTH 2010.					1
ANTH 2112 Australia-Pacific: Indigenous Worlds	8	P 18 Junior credit points.					2
ANTH 2801 Social Anthropology Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 2802 Social Anthropology Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 2803 Social Anthropology Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 2807 Social Anthropology Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 2808 Social Anthropology Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 3835 Reading Aboriginal Ethnographies	4	P 16 credit points of senior Anthropology completed at credit level or above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ANTH 3903 Marxism and Anthropology	4	P 16 credit points of Senior Anthropology completed at Credit Level or Above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ANTH 3907 Southeast Asia: Exemplary Studies	4	P 16 credit points of Senior Anthropology completed at Credit Level or Above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ANTH 3912 Embodiment	4	P 16 credit points of Senior Anthropology completed at Credit Level or Above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ANTH 3921 Advanced Anthropology 1	4	P 16 credit points of Senior Anthropology completed at Credit Level or Above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ANTH 3922 Advanced Anthropology 2	4	P 16 credit points of Senior Anthropology completed at Credit Level or Above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ANTH 3951 Reading Melanesian Ethnography	4	P 16 credit points of Senior Anthropology completed at Credit Level or Above. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
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. <i>NB: Department permission required for enrolment.</i>					1, 2
ANTH 4012 Social Anthropology Honours B	12	C ANTH 4011.					1, 2
ANTH 4013 Social Anthropology Honours C	12	C ANTH 4012.					1, 2
ANTH 4014 Social Anthropology Honours D	12	C ANTH 4013.					1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Arabic Language and Literature							
ARBC 1101	Introductory Arabic 1 B1	6	N	ARBC 1311, ARBC 1312.			1
ARBC 1102	Introductory Arabic 2 B2	6	P	ARBC 1101 (or equivalent). N ARBC 1311, ARBC 1312.			2
ARBC 1311	Advanced Arabic Language & Literature A1	6	P	HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners subject to placement test. N ARBC 1101, ARBC 1102.			1
ARBC 1312	Advanced Arabic Language & Literature A2	6	P	ARBC 1311. N ARBC 1101, ARBC 1102.			2
ARBC 2103	Arabic Language and Literature B3	8	P	ARBC 1102 (or equivalent).			1
ARBC 2104	Arabic Language and Literature B4	8	P	ARBC 2103 (or equivalent).			2
ARBC 2105	Arabic Language and Literature B5	8	P	ARBC 2104 (or equivalent).			1
ARBC 2106	Arabic Language and Literature B6	8	P	ARBC 2105 (or equivalent).			2
ARBC 2313	Arabic/English Translation	8	P	ARBC 1312. N ARBC 2103 & ARBC 2104.			1
ARBC 2314	Arabic/English Translation 2	8	P	ARBC 2313. N ARBC 2103 & ARBC 2104.			2
ARBC 2315	Advanced Arabic/English Translation	8	P	ARBC 3101. N ARBC 2105 & ARBC 2106.			1
ARBC 2316	Advanced Arabic/English Translation 2	8	P	ARBC 2315. N ARBC 2105 & ARBC 2106.			2
ARBC 4011	Arabic Honours A	12		<i>NB: Department permission required for enrolment.</i>			1, 2
ARBC 4012	Arabic Honours B	12	C	ARBC 4011.			1, 2
ARBC 4013	Arabic Honours C	12	C	ARBC 4012.			1, 2
ARBC 4014	Arabic Honours D	12	C	ARBC 4013.			1, 2
■ Arab World, Islam and the Middle East							
ARIS 1001	Arab World, Islam and the Middle East 1	6					1
ARIS 1002	Arab World, Islam and the Middle East 2	6	P	ARIS 1001.			2
ARIS 2005	Modern Middle East Politics and Society	8	P	ARIS 1002.			1
ARIS 2006	Contemporary Arab Thought and Culture	8	P	ARIS 1002.			2
ARIS 4011	Arabic and Islamic Studies Honours A	12	P	Average credit or above in 48 credit points of ARIS or ARBC units. It is desirable for students to have also completed at least 28 credit points in the other stream. However, under no circumstances can a student attempt to do more than one Honours program in the area of Arabic and Islamic Studies. <i>NB: Department permission required for enrolment.</i>			1, 2
ARIS 4012	Arabic and Islamic Studies Honours B	12	C	ARIS 4011.			1, 2
ARIS 4013	Arabic and Islamic Studies Honours C	12	C	ARIS 4012.			1, 2
ARIS 4014	Arabic and Islamic Studies Honours D	12	C	ARIS 4013.			1, 2
■ Archaeology (Classical)							
ARCL 1001	Art & Archaeology of the Classical World	6					1
ARCL 1801	Archaeology (Classical) Exchange	6		<i>NB: Department permission required for enrolment.</i>			1, 2
ARCL 2001	The World of Classical Athens	8	P	12 Junior credit points of Archaeology or Classical Civilization or Ancient History.			1
ARCL 2801	Archaeology (Classical) Exchange	8		<i>NB: Department permission required for enrolment.</i>			1, 2
ARCL 2802	Archaeology (Classical) Exchange	8		<i>NB: Department permission required for enrolment.</i>			1, 2
ARCL 2803	Archaeology (Classical) Exchange	8		<i>NB: Department permission required for enrolment.</i>			1, 2
ARCL 2807	Archaeology (Classical) Exchange	4		<i>NB: Department permission required for enrolment.</i>			1, 2
ARCL 2808	Archaeology (Classical) Exchange	4		<i>NB: Department permission required for enrolment.</i>			1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
ARCL 2900 Special Topics on Classical Athens	8	P Credit result in ARCL 1001. C ARCL 2001. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ARCL 3001 Archaeology of Pre-Roman Italy	8	P 8 Senior credit points of Archaeology (Classical).	1
ARCL 3901 Research Issues in Classical Archaeology	8	P Credit result in ARCL 2900. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	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. <i>NB: Department permission required for enrolment.</i>	1, 2
ARCL 4012 Archaeology (Classical) Honours B	12	C ARCL 4011.	1, 2
ARCL 4013 Archaeology (Classical) Honours C	12	C ARCL 4012.	1, 2
ARCL 4014 Archaeology (Classical) Honours D	12	C ARCL 4013.	1, 2
■ Archaeology (Near Eastern)			
ARNE 1001 Archaeology of the Near East	6		1
ARNE 1801 Archaeology (Near Eastern) Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 2005 Archaeology of the Levant 1500–900 BC	8	P ARNE 1001 and six Junior credit points from ARCL, ARPH, Classical Civilisation or Ancient History.	2
ARNE 2010 Egyptian Archaeology 1	8	P ARNE 1001 and six Junior credit points from ARCL, ARPH, Classical Civilisation or Ancient History.	2
ARNE 2012 Egyptian Archaeology 3	8	P ARNE 1001 and six Junior credit points from ARCL, ARPH, Classical Civilisation or Ancient History.	1
ARNE 2801 Archaeology (Near Eastern) Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 2802 Archaeology (Near Eastern) Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 2803 Archaeology (Near Eastern) Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 2807 Archaeology (Near Eastern) Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 2808 Archaeology (Near Eastern) Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 2901 Material Culture	8	P Credit result in ARNE 1001. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
ARNE 3901 Special Topics in West Asian Archaeology	8	P Credit result in ARNE 2901 and Pass result in 8 further Senior credit points from ARNE or ARCL. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
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. <i>NB: Department permission required for enrolment.</i>	1, 2
ARNE 4012 Archaeology (Near Eastern) Honours B	12	C ARNE 4011.	1, 2
ARNE 4013 Archaeology (Near Eastern) Honours C	12	C ARNE 4012.	1, 2
ARNE 4014 Archaeology (Near Eastern) Honours D	12	C ARNE 4013.	1, 2
■ Archaeology (Prehistoric and Historical)			
ARPH 1002 Introduction to Australian Archaeology	6		N/A in 2004
ARPH 1801 Archaeology (Prehistoric & Historic) Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2
ARPH 2001 Pre and Post Contact Aust Archaeology	8	P 12 Junior credit points of Archaeology.	1
ARPH 2003 The Archaeology of Society	8	P 12 Junior credit points of Archaeology.	2
ARPH 2005 Archaeology of Modern Times	8	P 12 Junior credit points of Archaeology.	1
ARPH 2006 Australasian Archaeology	8	P 12 Junior credit points of Archaeology.	2
ARPH 2621 Scientific Analysis of Materials	8	P 12 Junior credit points in archaeology. N ARPH 2601.	2
ARPH 2801 Archaeology (Prehistoric & Historic) Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
ARPH 2802 Archaeology (Prehistoric & Historic) Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ARPH 2803 Archaeology (Prehistoric & Historic) Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ARPH 2807 Archaeology (Prehistoric & Historic) Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
ARPH 2808 Archaeology (Prehistoric & Historic) Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
ARPH 3902 Archaeological Research Principles II	8	P 12 senior credit points of Archaeology at Credit level, including at least 8 Senior credit points of Prehistoric & Historical Archaeology. C ARPH 3911. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ARPH 3911 Archaeological Research Principles I	8	P 12 Senior credit points in Archaeology at credit level.	1
ARPH 3920 Archaeological Applications of Computing	8	P Credit results in 12 Senior credit points of ARPH. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ARPH 3921 Archaeological Practice	8	P Credit+ results in 16 senior credit points of ARPH. Department permission required for enrolment in Semester 1.	2
ARPH 4011 Archaeology (Prehist/ Historical) Hons A	12	P a) Credit results in 24 Senior credit points of Archaeology including ARPH 3902 and at least 4 but not more than 8 credit points from ARPH 2501–2699; b) Credit results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies, Heritage Studies, and/or STAT 1021, STAT 1022, BIOL 1500. <i>NB: Department permission required for enrolment.</i>	1, 2
ARPH 4012 Archaeology (Prehist/ Historical) Hons B	12	C ARPH 4011.	1, 2
ARPH 4013 Archaeology (Prehist/ Historical) Hons C	12	C ARPH 4012.	1, 2
ARPH 4014 Archaeology (Prehist/ Historical) Hons D	12	C ARPH 4013.	1, 2
■ Art History and Theory			
ARHT 1001 Art & Experience: The European Tradition	6		1, Summer
ARHT 1002 Modern Times: Art, Film and Design	6		2
ARHT 1801 Art History and Theory Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2
ARHT 2011 Art and Experience in Renaissance Italy	8	P ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ARHT 2012 Baroque Courts	8	P ARHT 1002.	2
ARHT 2013 The Art of France 1648–1789	8	P ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
ARHT 2021 European Modernism	8	P ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
ARHT 2023 Post-War Art in Europe and the USA	8	P ARHT 1001, ARHT 1002.	2
ARHT 2024 Contemporary International Art	8	P ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ARHT 2032 Modern Australian Art and Cinema	8	P ARHT 1001, ARHT 1002.	1
ARHT 2033 Postwar Australian Art	8	P ARHT 1001, ARHT 1002.	Summer
ARHT 2034 Australian Heritage and Architecture	8	P ARHT 1001, ARHT 1002. N HRTG 2001.	1
ARHT 2036 Contemporary Indigenous Australian Art	8	P ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
ARHT 2041 Art and Archaeology of South East Asia	8	P The prerequisites are any of ARHT 1001 & 1002, ASNS 1001 & 1002, ARPH 1001 & 1003 or ARPH 1001+ 1002. <i>NB: Those students who are unable to take the course because of time or financial restrictions should note that on equity grounds a new Asian Archaeology senior unit of study will be offered at Sydney in 2005.</i>	1
ARHT 2042 Art in the Age of the Samurai	8	P ARHT 1001, ARHT 1002 or ASNS 1001, ASNS 1002.	1
ARHT 2043 Art and Architecture of Modern Japan	8	P ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ARHT 2052 From Silent to Sound Cinema	8	P ARHT 1001, ARHT 1002. <i>NB: Film Studies Core unit. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ARHT 2053 Cross-Cultural Perspectives on Cinema	8	P	ARHT 1001, ARHT 1002.				2
ARHT 2056 National and Transnational Cinemas	8	P	ARHT 1001, ARHT 1002 (For Art History Major Majors).		ARHT 1002 or ENGL 1005 (for Film Majors).		1
ARHT 2057 Contemporary Hollywood	8	P	ARHT 1001, ARHT 1002 (For Art History Major Majors).		ARHT 1002 or ENGL 1005 (for Film Majors).		2
ARHT 2064 Special Studies	8	P	Credit and above in 12 Junior Credit points from any two ARHT units OR consent of Chair of Department. <i>NB: Note: Only one Special Studies course may be taken at senior level.</i>				1, Summer
ARHT 2071 Orientalism and Visual Culture	8	P	ARHT 1001, ARHT 1002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ARHT 2801 Art History and Theory Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
ARHT 2802 Art History and Theory Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
ARHT 2803 Art History and Theory Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
ARHT 2807 Art History and Theory Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
ARHT 2808 Art History and Theory Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
ARHT 2901 Recent Approaches to Art and Film	8	P	16 Senior credit points in Art History and Theory with a Credit average. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ARHT 4011 Art History and Theory Honours A	12	P	Students wishing to do Honours in 2005 should have results of credit or better in 48 senior ARHT credit points, including the special entry unit ARHT 2901 Recent Approaches to Art and Film. <i>NB: Department permission required for enrolment.</i>				1, 2
ARHT 4012 Art History and Theory Honours B	12	C	ARHT 4011.				1, 2
ARHT 4013 Art History and Theory Honours C	12	C	ARHT 4012.				1, 2
ARHT 4014 Art History and Theory Honours D	12	C	ARHT 4013.				1, 2
■ Arts Informatics							
ARIN 1000 History and Theory of Informatics	6	C	ISYS 1003. <i>NB: Available to BA Informatics, BCST and BIT students only.</i>				1
ARIN 2000 Research Methods in IS, Humanities & Soc	8	P	ARIN 1000 and either ISYS 1003 or INFO 1000. <i>NB: Available to BA Informatics students only.</i>				2
ARIN 2100 Web Tools	8	P	18 junior credit points. <i>NB: Available to students enrolled in the BA Informatics and, with departmental permission, to BA students.</i>				2, Summer
ARIN 3000 Technocultures	8	P	18 junior credit points. <i>NB: Available to students enrolled in the BA Informatics and to BA students.</i>				2
ARIN 3500 Arts Informatics Project I	8	P	ISYS 3113 and ARIN 2000. <i>NB: Available to BA Informatics students only.</i>				2
ARIN 3600 Arts Informatics Project II	16	P	ISYS 3113 and ARIN 2000. <i>NB: Available to BA Informatics students only.</i>				1
■ Asian Studies							
ASNS 1001 Modern Asian History and Cultures 1	6						1
ASNS 1002 Modern Asian History and Cultures 2	6						2
ASNS 1101 Introduction to Chinese Civilisation	6						2
ASNS 1801 Asian Studies Exchange	6		<i>NB: Department permission required for enrolment.</i>				1, 2
ASNS 2118 Remaking Chinese Society, 1949–2000	8	A	Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (eg, Moise, Modern China: A History) 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 in any combination of the above.				Summer
ASNS 2212 Six Schools: Classical Indian Philosophy	8	P	12 Junior credit points in Asian Studies, History, Economic History, Religious Studies, Art History and Theory, Philosophy or an Asian Language.				2
ASNS 2304 Early Modern Japanese History	8	P	12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ASNS 2306 The Enigma of Power in Japan	8	P	12 Junior credit points In Asian Studies, History, Economic History, Government and International Relations and/or and Asian language. N JPNS 2316 Power in Japanese Politics and Society.				1
ASNS 2313 Buddhist Philosophy	8	P	Prerequisites will be 18 junior made up from Table A but may include PALI 1001 or PALI 1002.				1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
ASNS 2401 Making and Unmaking Modern Indonesia	8	P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language. N Indonesia in the Global Age, INMS 2901. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ASNS 2414 Southeast Asian Politics	8	P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian Language.	Summer
ASNS 2416 Southeast Asian Dictators & Democracies	8	P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian Language. N Southeast Asian Politics ASNS 2414.	2
ASNS 2502 Modern Korea	8	P 12 junior credit points in Asian Studies, History, Economic History, Government and International and/or an Asian language.	2, Summer
ASNS 2600 Mass Media in East Asia	8	P 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language.	1
ASNS 2711 Gender in East Asian History and Culture	8	A Students with no prior knowledge of East Asian history are encouraged to read at least one basic textbook (eg, 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. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ASNS 2801 Asian Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ASNS 2802 Asian Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ASNS 2803 Asian Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
ASNS 2807 Asian Studies Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
ASNS 2808 Asian Studies Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
ASNS 4011 Asian Studies Honours A	12	<i>NB: Department permission required for enrolment.</i>	1, 2
ASNS 4012 Asian Studies Honours B	12	C ASNS 4011.	1, 2
ASNS 4013 Asian Studies Honours C	12	C ASNS 4012.	1, 2
ASNS 4014 Asian Studies Honours D	12	C ASNS 4013.	1, 2
■ Australian Literature			
ASLT 2001 Australian Literature 1920–1960	8	P 18 Junior credit points.	1
ASLT 2003 Introduction to Aboriginal Writing	8	P 18 Junior credit points. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
ASLT 2009 Australian Literature 1988 to Present	8	P 18 Junior credit points.	2
ASLT 2010 Patrick White and the Australian Baroque	8	P 18 Junior credit points. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
ASLT 2016 Australian Stage and Screen	8	P 18 Junior credits points. N ASLT 2006. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	
ASLT 3901 Australian Literature Research Methods	4	P 16 Senior credit points in Australian Literature with Credit average. C ASLT 3902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
ASLT 3902 Australian Literature Research Issues	4	P 16 Senior credit points in Australian Literature with Credit average. C ASLT 3901. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	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 16 Senior credit points of English). <i>NB: Department permission required for enrolment.</i>	1, 2
ASLT 4012 Australian Literature Honours B	12	C ASLT 4011.	1, 2
ASLT 4013 Australian Literature Honours C	12	C ASLT 4012.	1, 2
ASLT 4014 Australian Literature Honours D	12	C ASLT 4013.	1, 2
■ Australian Studies			
ASTR 2001 Australia: Land and Nation	8	P 18 Junior credit points. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2, Summer
ASTR 2003 Film and Nation: Representing Australia	8	P 18 Junior credit points. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Biblical Studies							
BBCL 1001 Biblical Studies 1	6						1
BBCL 1002 Biblical Studies 2	6						2
BBCL 2003 Biblical Studies 3	8	P BBCL 1001, BBCL 1002.					1
BBCL 2004 Biblical Studies 4	8	P BBCL 1001, BBCL 1002. <i>NB: The program offers a full major: the other two senior units, Biblical Studies 5 (BBCL 2005) and Biblical Studies 6 (BBCL 2006), will be offered next year, 2005.</i>					2
■ Chinese Studies							
CHNS 1101 Beginning Chinese (1)	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. N May not be taken by those eligible to take intermediate or native-speaker stream units of study. <i>NB: Department permission required for enrolment.</i>					1
CHNS 1102 Beginning Chinese (2)	6	A One semester of Chinese at introductory level, preferably using full-form characters. P CHNS 1101. C Students are strongly advised to take ASNS 1101 if they plan to take senior units of study in Chinese. N May not be taken by those eligible to take intermediate or native-speaker stream units of study.					2
CHNS 1201 Intermediate Chinese (1)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (eg, putonghua, Cantonese) combined with no, or very limited, knowledge of characters. N May not be taken by those eligible to take native-speaker stream units of study. <i>NB: Department permission required for enrolment.</i>					1
CHNS 1202 Intermediate Chinese (2)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (eg, putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. P CHNS 1201. C Students are strongly advised to take ASNS 1101 if they plan to take senior units of study in Chinese. N May not be taken by those eligible to take native-speaker stream units of study.					2
CHNS 1313 Classical Chinese for Native Speakers 1	6	A Full native-speaker competence (including character literacy) in a modern Chinese language (eg, putonghua, Cantonese). N May not be taken after CHNS 1311/1312. <i>NB: Department permission required for enrolment.</i>					1
CHNS 1314 Classical Chinese for Native Speakers 2	6	A A solid basic knowledge of the grammar of Classical Chinese. P CHNS 1313. C ASNS 1101 is strongly recommended for students who have little knowledge of Chinese history and culture. N May not be taken after CHNS 1312.					2
CHNS 1801 Chinese Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
CHNS 2021 Chinese In-Country Study I	16	P CHNS 1102 or CHNS 1202 (or a sequel within the same stream). <i>NB: Department permission required for enrolment.</i>					1, 2
CHNS 2022 Chinese In-Country Study II	16	P CHNS 1102 or CHNS 1202 (or a sequel within the same stream). <i>NB: Department permission required for enrolment.</i>					1, 2
CHNS 2023 Chinese In-Country Study A	8	P CHNS 1102 or CHNS 1202 (or a sequel within the same stream). N Open to students in the non-background-speaker and intermediate streams only. <i>NB: Department permission required for enrolment. Students who plan to enrol in a summer in-country program offered by another Australian university should consult the department about acceptability for credit, assessment arrangements, etc.</i>					1, 2
CHNS 2024 Chinese In-Country Study B	8	P CHNS 1102 or CHNS 1202 (or a sequel within the same stream). N Open to students in the non-background-speaker and intermediate streams only. <i>NB: Department permission required for enrolment. Students who plan to enrol in a summer in-country program offered by another Australian university should consult the department about acceptability for credit, assessment arrangements, etc.</i>					1, 2
CHNS 2101 Second-Year Chinese (1)	8	A One year (approx. 5 hrs/wk for 26 wks) of Chinese at introductory level, preferably using full-form characters. P CHNS 1102. N May not be taken by those eligible to take intermediate or native-speaker stream units of study.					1
CHNS 2102 Second-Year Chinese (2)	8	A Sound intermediate knowledge of Modern Standard Chinese, including full mastery of at least 1,000 characters (preferably full-form). P CHNS 2101. N May not be taken by those eligible to take intermediate or native-speaker stream units of study.					2
CHNS 2111 Beginning Classical Chinese	4	A One year of Chinese at introductory level, preferably using full-form characters. P CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. N May not be taken by those eligible to take native-speaker stream units of study. <i>NB: NB: Prospective Honours students should take this unit or CHNS 2903 if eligible.</i>					1
CHNS 2112 Readings in Classical Chinese	4	A Basic knowledge of the grammar of Classical Chinese. P CHNS 2111 or CHNS 2211 or CHNS 2903. N May not be taken by those eligible to take native-speaker stream units of study. <i>NB: NB: Prospective Honours students should take this unit or CHNS 2904 if eligible.</i>					2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
CHNS 2203 Senior Intermediate Chinese (1)	8	A Limited ability to read material in characters; native- or near-native-speaker fluency in putonghua, or basic command of putonghua combined with native-speaker fluency in another Chinese language (eg, Cantonese). Students entering this unit of study will typically know about 1,000 characters. P CHNS 1202; or CHNS 3104 plus instructor's permission. N May not be taken by those eligible for the native-speaker stream.	1
CHNS 2204 Senior Intermediate Chinese (2)	8	A Reading skills in Chinese that fall short of full literacy; native- or near-native-speaker fluency in putonghua, or intermediate command of putonghua plus native-speaker fluency in another Chinese language (eg, Cantonese). Students entering this unit of study will typically know about 2,000 characters. P CHNS 2201 or CHNS 2203. N May not be taken by those eligible for the native-speaker stream.	2
CHNS 2801 Chinese Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
CHNS 2802 Chinese Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
CHNS 2803 Chinese Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
CHNS 2807 Chinese Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
CHNS 2808 Chinese Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
CHNS 2903 Honours Stream Classical Chinese (1)	8	A Good basic grounding in Modern Standard Chinese including full mastery of at least 600 characters. Performance in previous formal studies of Chinese must have been above average (Credit or a full B). P Credit or higher in CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. N May not be taken by those eligible for the native-speaker stream; such students can qualify for Honours entry by another route. May not be taken with or after CHNS 1311, CHNS 1313, CHNS 2111 or CHNS 2211. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
CHNS 2904 Honours Stream Classical Chinese (2)	8	A Solid introductory grounding in Classical Chinese, preferably using full-form characters. P Credit or higher in CHNS 2111, CHNS 2211 or CHNS 2903. N May not be taken by those eligible for the native-speaker stream; such students will be able to qualify for Honours entry by another route. May not be taken with or after CHNS 1312, CHNS 1314, CHNS 2112 or CHNS 2212. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
CHNS 3103 Third-Year Chinese (1)	8	A Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS 2102. N May not be taken after CHNS 3101. May not be taken by those eligible to take intermediate or native-speaker stream units of study.	1
CHNS 3104 Third-Year Chinese (2)	8	A Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS 3103. N May not be taken after CHNS 3102. May not be taken by those eligible to take intermediate or native-speaker stream units of study.	2
CHNS 3421 Chinese for Business Purposes (1)	4	A Sound intermediate knowledge of Modern Standard Chinese. P CHNS 2102 or CHNS 1202. C CHNS 3103 or CHNS 2203. N Not open to students in the native-speaker stream. <i>NB: Intermediate-stream students are warned to take this unit of study at the same time as CHNS 2203, as they will normally not be allowed to take it later.</i>	1
CHNS 3422 Chinese for Business Purposes (2)	4	A Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. P CHNS 3421. C CHNS 3104 or CHNS 2204. N Not open to students in the native-speaker stream. <i>NB: Intermediate-stream students are warned to take this unit of study at the same time as CHNS 2204, as they will normally not be allowed to take it later.</i>	2
CHNS 3443 Classical Chinese Fiction	4	A Sound basic knowledge of Classical Chinese. P CHNS 2112 or CHNS 2212 or CHNS 2904. N CHNS 3543. Not open to native-speaker-stream students. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
CHNS 3451 Readings in Chinese Philosophy	4	A Sound basic knowledge of Classical Chinese. P CHNS 2112 or CHNS 2212 or CHNS 2904. N CHNS 3551. Not open to native-speaker-stream students. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
CHNS 3532 The Novel in Pre-Modern China	8	A Advanced or native-speaker proficiency in reading Chinese. P CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
CHNS 3538 Gender in Modern Chinese Literature	8	A Advanced or native-speaker proficiency in reading Chinese. P CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
CHNS 3543 Classical Chinese Fiction (Advanced)	8	A Good grounding in Classical Chinese. P CHNS 1312 or CHNS 1314; or Distinction in CHNS 2112, CHNS 2212 or CHNS 2904 and permission of instructor. N CHNS 3443. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
CHNS 3551 Readings in Chinese Philosophy (Adv)	8	A Good grounding in Classical Chinese. P CHNS 1312 or CHNS 1314. N CHNS 3451. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
CHNS 3902 Approaches to Research on China	4	A Advanced reading proficiency in Chinese and English; also recommended are experience of independent essay-writing in one or more humanities or social science discipline(s), plus the ability to think critically and write analytically. P Minimum of 32 senior CHNS credit points; Credit average in all senior CHNS credit points taken. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
CHNS 3903 Exploring Gender in Classical Chinese	4	A Students will be expected to read materials in relatively straightforward Classical Chinese. Good reading ability in English is also important. P Credit result in CHNS 2112 or CHNS 2212 or CHNS 2904; or credit result in CHNS 1312 or CHNS 1314 and in at least two units of study with the prefix CHNS 35XX. As this is a pre-Honours unit of study, it is expected that enrolling students will have realistic prospects of an overall credit average in senior CHNS units of study on completion of the required number of credit points for admission to Honours. N May not be taken after CHNS 3901. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
CHNS 4011 Chinese Honours A	12	P Minimum of 48 senior CHNS credit points normally including CHNS 3901 or 3903, plus CHNS 3902 and at least 16 senior credit points of Classical Chinese studies (which may include CHNS 3901 or CHNS 3903). In the case of students in the non-background-speaker stream, 64 senior CHNS credit points are highly recommended, while the minimum is 56. A Credit average in the qualifying units of study is essential. Well-qualified students who do not fully meet the above requirements may contact the Chair of Department to discuss possibilities for their acceptance into the Honours program. <i>NB: Department permission required for enrolment.</i>	1, 2
CHNS 4012 Chinese Honours B	12	P See under CHNS 4011. <i>NB: Department Permission required for enrolment.</i>	1, 2
CHNS 4013 Chinese Honours C	12	P See under CHNS 4011. <i>NB: Department Permission required for enrolment.</i>	1, 2
CHNS 4014 Chinese Honours D	12	P See under CHNS 4011. <i>NB: Department Permission required for enrolment.</i>	1, 2
■ Classical Civilisation			
CLCV 1001 Classical Mythology	6		1
CLCV 1003 Image and Myth	6	P CLCV 1001 or ARCL 1001 or ARHT 1001.	2
CLCV 2304 The Disempowered in Greco-Roman Society	8	P 12 Junior credit points in Ancient History (ANHS 1003/1004) or Archaeology (ARCL 1001) or Latin (LATN 1001/1002/1101/1102) or Ancient Greek (GRKA 1001/1002/1101/1102) or Classical Civilisation (CLCV 1001/1003).	1
■ Classics			
CLSS 4011 Classics Honours A	12	P Credit results in GRKA 3904 and LATN 3904. <i>NB: Department permission required for enrolment.</i>	1, 2
CLSS 4012 Classics Honours B	12	c CLSS 4011.	1, 2
CLSS 4013 Classics Honours C	12	c CLSS 4012.	1, 2
CLSS 4014 Classics Honours D	12	c CLSS 4013.	1, 2
■ 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 prerequisites, corequisites or prohibitions. However it cannot be counted towards the junior credit points required to enrol in senior units of English.	1, 2, Summer
ENGL 1005 Language and Image	6	N ENGL 1050.	1, 2
ENGL 1015 Inventing Modernity	6		1
ENGL 1020 Literary Mythologies	6		2
ENGL 1025 Fiction, Film and Power	6		2
ENGL 1801 English Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ENGL 1802 English Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
ENGL 2000 Anglo-Saxon Norse and Celtic Studies	8	P	12 Junior credit points of English excluding ENGL 1000.				2
ENGL 2003 American Literature: Imagining America	8	P	12 Junior credit points of English excluding ENGL 1000.				1
ENGL 2006 Communication and Media Studies	8	P	12 Junior credit points of English excluding ENGL 1000.				2
ENGL 2011 Jane Austen and Her Contemporaries	8	P	12 Junior credit points of English excluding ENGL 1000.				2, Summer
ENGL 2016 Pastoral	8	P	12 Junior credit points of English excluding ENGL 1000.				1
ENGL 2017 Postmodernism	8	P	12 Junior credit points of English excluding ENGL 1000.				2
ENGL 2019 Semiotics Narrative and Subjectivity	8	P	12 Junior credit points of English excluding ENGL 1000. N SMTC 2001, SMTC 2002.				1
ENGL 2023 Twentieth Century Literature: Modernism	8	P	12 Junior credit points of English excluding ENGL 1000.				1
ENGL 2027 Reading Sexuality	8	P	12 Junior credit points of English excluding ENGL 1000.				2
ENGL 2032 British Romantic Literature, 1780–1830	8	P	12 Junior credit points of English excluding ENGL 1000.				1
ENGL 2046 Romantic Fictions	8	P	12 junior credit points of English excluding ENGL 1000.				2
ENGL 2047 Texts, Grammar and Meaning	8	P	12 Junior credit points of English excluding ENGL 1000. N ENGL 2010, LNGS 1005, LNGS 2002, LNGS 2003, ENGL 1005.				1
ENGL 2050 Reading Poetry	8	P	12 Junior credit points of English excluding ENGL 1000.				1
ENGL 2051 Transatlantic Negotiations 1915–1960	8	P	12 Junior credit points of English excluding ENGL 1000.				2
ENGL 2801 English Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ENGL 2802 English Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ENGL 2803 English Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ENGL 2807 English Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
ENGL 2808 English Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
ENGL 2901 Special Studies in English 1	4	P	Credit or above in 12 Junior credit points of English excluding ENGL 1000. C ENGL 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 2902 Special Studies in English 2	4	P	Credit or above in 12 Junior credit points of English excluding ENGL 1000. C ENGL 2901. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 3910 Research and Editing: Theory & Practice	4	P	Credit or above in 24 Senior credit points of English which include ENGL 2901 and ENGL 2902. C ENGL 3920. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3911 Studies in Medieval Languages A	4	P	Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3912 Medieval and Renaissance Studies A	4	P	Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3913 Seventeenth and Eighteenth Centuries A	4	P	Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3914 The Long Nineteenth Century A	4	P	Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3915 Rhetoric and Discourse A	4	P	Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3916 Further Studies in Medieval Languages A	4	P	Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
ENGL 3920 Theory of Literature: Medieval to Modern	4	P	Credit or above in 24 Senior credit points of English which include ENGL 2901 and ENGL 2902. C ENGL 3910. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ENGL 3921 Studies in Medieval Languages B	4		P Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 3922 Medieval and Renaissance Studies B	4		P Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 3923 Seventeenth and Eighteenth Centuries B	4		P Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 3924 The Long Nineteenth Century B	4		P Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 3925 Rhetoric and Discourse B	4		P Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 3926 Further Studies in Medieval Languages B	4		P Credit average in 16 Senior credit points of English. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
ENGL 4101 English Honours A	12		P Credit average in 48 Senior credit points of English, including ENGL 3910, ENGL 3920 and two advanced units. Candidates who were eligible for Honours candidacy according to the Department's earlier guidelines should consult the Honours coordinator. <i>NB: Department permission required for enrolment.</i>				1, 2
ENGL 4102 English Honours B	12		C ENGL 4101.				1, 2
ENGL 4103 English Honours C	12		C ENGL 4102.				1, 2
ENGL 4104 English Honours D	12		C ENGL 4103.				1, 2
■ European Studies							
EUST 2801 European Studies Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
EUST 2802 European Studies Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
EUST 4011 European Studies Honours A	12		P Permission of Centre for European Studies. <i>NB: Department permission required for enrolment.</i>				1, 2
EUST 4012 European Studies Honours B	12		C EUST 4011.				1, 2
EUST 4013 European Studies Honours C	12		C EUST 4012.				1, 2
EUST 4014 European Studies Honours D	12		C EUST 4013.				1, 2
■ French Studies							
FRNC 1101 French Introductory 1	6		P Complete beginners; or less than 2 years of French; or less than 65% in Beginners HSC French.				1, Summer
FRNC 1102 French Introductory 2	6		P FRNC 1101 or equivalent.				2
FRNC 1201 French Intermediate 1	6		P Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent.				1
FRNC 1202 French Intermediate 2	6		P FRNC 1201 or equivalent.				2
FRNC 1301 French Advanced 1	6		P HSC French Continuers & Extension or more than 80% in Continuers French.				1
FRNC 1302 French Advanced 2	6		P FRNC 1301 or equivalent.				2
FRNC 1501 French Short Reading Course	6		N FRNC 1101, FRNC 1102, FRNC 1201, FRNC 1202, FRNC 1301, FRNC 1302.				2
FRNC 1701 Modern French Civilisation 1	3						2a
FRNC 1702 Modern French Civilisation 2	3						2b
FRNC 1801 French Exchange	6		<i>NB: Department permission required for enrolment.</i>				1, 2
FRNC 1802 French Exchange	6		<i>NB: Department permission required for enrolment.</i>				1, 2
FRNC 2103 French Language 3	4		P FRNC 1102 or FRNC 1202 or equivalent.				1
FRNC 2104 French Language 4	4		P FRNC 2103 or equivalent.				2
FRNC 2113 Active Language Skills in Context	8		P FRNC 1102 or 1202 or equivalent. C FRNC 2103.				1
FRNC 2303 Advanced French Language 3	4		P FRNC 1302 or equivalent.				1
FRNC 2304 Advanced French Language 4	4		P FRNC 2303 or equivalent.				2
FRNC 2401 French Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
FRNC 2402 French Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
FRNC 2403 French Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
FRNC 2404 French Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
FRNC 2407 French Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
FRNC 2408 French Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
FRNC 2501 French Reading 1	4	P FRNC 1102 or FRNC 1202. In consultation with the coordinator, certain students having completed FRNC 1201 will be permitted to take this course.	1
FRNC 2502 French Reading 2	4	P FRNC 2501 or equivalent.	2
FRNC 2602 Introduction to Linguistics	4	P FRNC 1302 or FRNC 2502 or equivalent.	1
FRNC 2701 Revolution and Social Thought	4	P FRNC 1302 or FRNC 2502 or equivalent.	1
FRNC 2702 The Second French Revolution	4	P FRNC 1302 or FRNC 2502 or equivalent.	2
FRNC 2802 French Narrative Cinema	4	P FRNC 1302 or FRNC 2502.	1
FRNC 3105 French Language 5	4	P FRNC 2104 or equivalent.	1
FRNC 3106 French Language 6	4	P FRNC 3105 or equivalent.	2
FRNC 3305 Advanced French Language 5	4	P FRNC 2304 or equivalent.	1
FRNC 3306 Advanced French Language 6	4	P FRNC 3305 or equivalent.	2
FRNC 3401 French In-Country Study 1	4	P Permission of Department of French Studies. <i>NB: Department permission required for enrolment.</i>	1
FRNC 3402 French In-Country Study 2	4	P Permission of Department of French Studies. <i>NB: Department permission required for enrolment.</i>	2
FRNC 3403 French In-Country Study 3	4	P Permission of Department of French Studies. <i>NB: Department permission required for enrolment.</i>	1
FRNC 3404 French In-Country Study 4	4	P Permission of Department of French Studies. <i>NB: Department permission required for enrolment.</i>	2
FRNC 3405 French In-Country Study 5	4	P Permission of Department of French Studies. <i>NB: Department permission required for enrolment.</i>	1
FRNC 3406 French In-Country Study 6	4	P Permission of Department of French Studies. <i>NB: Department permission required for enrolment.</i>	2
FRNC 3603 Textual Linguistics	4	P FRNC 1302 or FRNC 2502.	2
FRNC 3703 Intellectual Movements Since 1945	4	P FRNC 1302 or FRNC 2502 or equivalent. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
FRNC 3712 Quebec	4	P FRNC 1302 or FRNC 2502. N FRNC 2712.	2
FRNC 3810 French Translation	4	P Credit in FRNC 1302 or FRNC 2502, or equivalent. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
FRNC 3811 L'Autobiographie et l'autportrait	4	P Credit in FRNC 1302 or FRNC 2502, or equivalent.	2
FRNC 3906 French Renaissance	4	P Credit in FRNC 1302 or in FRNC 2502. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
FRNC 3907 French Classicism	4	P Credit in FRNC 1302 or in FRNC 2502. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	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. <i>NB: Department permission required for enrolment.</i>	1, 2
FRNC 4012 French Honours B	12	C FRNC 4011.	1, 2
FRNC 4013 French Honours C	12	C FRNC 4012.	1, 2
FRNC 4014 French Honours D	12	C FRNC 4013.	1, 2
■ Gender Studies			
WMST 1801 Gender Studies Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2
WMST 2001 Gender, Media and Popular Culture	8	P 18 Junior credit points.	1
WMST 2002 Thinking Gender	8	P WMST 2001.	2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
WMST 2007 Bodies, Sexualities, Identities	8	P	WMST 2001.				Summer
WMST 2009 Cultures of Masculinities	8	P	18 junior credit points. C WMST 2001.				1
WMST 2010 Intimacy, Love and Friendship	8	P	18 junior credit points. C WMST 2001.				1
WMST 2011 Everyday Cultures	8	P	WMST 2001.				2
WMST 2012 Youth Cultures: Images & Ideas of Youth	8	P	18 junior credit points.				2, Summer
WMST 2801 Gender Studies Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
WMST 2802 Gender Studies Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
WMST 2803 Gender Studies Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
WMST 2807 Gender Studies Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
WMST 2808 Gender Studies Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
WMST 3001 Gender, Race and Australian Identities	8	P	WMST 2001 and one of WMST 2002 and WMST 2007.				1
WMST 3003 Media and Cultural Consumption	8	P	WMST 2001. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2, Summer
WMST 3090 Transnationalism, Gender & Globalisation	8	P	WMST 3001. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
WMST 4011 Gender Studies Honours A	12	P	Credit or above in WMST 2001, 2002, 3001, 3090 and a further 16 credit points. WMST 2007 may be substituted for 2002. <i>NB: Department permission required for enrolment.</i>				1, 2
WMST 4012 Gender Studies Honours B	12	C	WMST 4011.				1, 2
WMST 4013 Gender Studies Honours C	12	C	WMST 4012.				1, 2
WMST 4014 Gender Studies Honours D	12	C	WMST 4013.				1, 2
■ Germanic Studies							
GRMN 1111 Junior Introductory German 1	6	N	HSC German Extension, German Continuers, German Beginners 65% or above or equivalent.				1
GRMN 1122 Junior Introductory German 2	6	P	GRMN 1111.				2, Summer
GRMN 1133 Beginners' Oral/Aural German	6	C	GRMN 1111. N GRMN 1131, GRMN 1132.				1
GRMN 1211 Junior Intermediate German 1	6	P	HSC German Beginners 65% or above or German Continuers below 70% or equivalent.				1
GRMN 1222 Junior Intermediate German 2	6	P	GRMN 1211.				2
GRMN 1311 Junior Advanced German 1	6	P	HSC German Extension or German Continuers 70% or above or equivalent.				1
GRMN 1322 Junior Advanced German 2	6	P	GRMN 1311.				2
GRMN 1501 Reading German for Special Purposes	6	N	GRMN 1131, GRMN 1311, GRMN 1322.				1
GRMN 2211 Senior Intermediate German 1	8	P	GRMN 1122.				1
GRMN 2222 Senior Intermediate German 2	8	P	GRMN 2211.				2
GRMN 2311 Senior Advanced German Language 1	4	P	Either GRMN 1222 or GRMN 2222.				1
GRMN 2322 Senior Advanced German Language 2	4	P	GRMN 2311.				2
GRMN 2331 Senior Advanced German Language 3	4	P	Either GRMN 1322 or GRMN 2222 or GRMN 2322.				1
GRMN 2342 Senior Advanced German Language 4	4	P	GRMN 2331.				2
GRMN 2351 Senior Advanced German Language 5	4	P	GRMN 2322 or GRMN 2342 or GRMN 2750.				1
GRMN 2362 Senior Advanced German Language 6	4	P	GRMN 2351.				2
GRMN 2450 Early 20th Century German Literature	8	P	12 Junior credit points of German not including GRMN 1133. N GRMN 2410.				1
GRMN 2451 Later 20th Century German Literature	8	P	12 Junior credit points of German not including GRMN 1133. N GRMN 2420.				2
GRMN 2453 Later 19th Century German Literature	8	P	12 Junior credit points of German not including GRMN 1133. N GRMN 2440.				1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
GRMN 2750 Business German	8	P GRMN 1222, GRMN 1322 or GRMN 2222.	2, Summer
GRMN 2801 German Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 2802 German Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 2803 German Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 2807 German Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 2808 German Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 2911 Medieval German: Language and Literature	8	P Credit average in 12 Junior credit points of German not including GRMN 1133. N GRMN 2920.	2
GRMN 2912 Goethe's 'Faust'	8	P Credit average in 12 Junior credit points of German not including GRMN 1133. N GRMN 2910. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
GRMN 3401 German In-Country Study 1	4	P 12 Junior credit points of German not including GRMN 1133. <i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 3402 German In-Country Study 2	4	P 12 Junior credit points of German not including GRMN 1133. <i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 3403 German In-Country Study 3	4	P 12 Junior credit points of German not including GRMN 1133. <i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 3404 German In-Country Study 4	4	P 12 Junior credit points of German not including GRMN 1133. <i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 3702 Foreignness in Modern German Literature	8	P Credit average in 16 Senior credit points of German. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	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. <i>NB: Department permission required for enrolment.</i>	1, 2
GRMN 4012 German Honours B	12	C GRMN 4011.	1, 2
GRMN 4013 German Honours C	12	C GRMN 4012.	1, 2
GRMN 4014 German Honours D	12	C GRMN 4013.	1, 2
■ Greek (Ancient)			
GRKA 1001 Greek 1.1	6	N GRKA 1101.	1
GRKA 1002 Greek 1.2	6	P GRKA 1001. N GRKA 1102.	2
GRKA 1101 Advanced Greek 1.1	6	P HSC Classical Greek 2 unit. N GRKA 1001.	1
GRKA 1102 Advanced Greek 1.2	6	P GRKA 1101. N GRKA 1002.	2
GRKA 2003 Greek 2.1	8	P GRKA 1002 or GRKA 2302 + GRKA 2312.	1
GRKA 2004 Greek 2.2	8	P GRKA 2003.	2
GRKA 2103 Advanced Greek 2.1	8	P GRKA 1102.	1
GRKA 2104 Advanced Greek 2.2	8	P GRKA 2103.	2
GRKA 2301 Accelerated Greek 2.1	4	P 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation or Latin or Ancient History or Philosophy or Modern Greek. C 8 Senior credit points in Archaeology or Classical Civilisation or Latin or Ancient History or Philosophy or Modern Greek. N GRKA 1001.	1
GRKA 2302 Accelerated Greek 2.2	4	P GRKA 2301. N GRKA 1002.	2
GRKA 2312 Accelerated Greek 2 Additional	4	P GRKA 2301. C GRKA 2302.	2
GRKA 2901 Special Greek 2.1	4	P Either GRKA 1001 or GRKA 2301 plus a credit in either GRKA 1002 or GRKA 2302. C GRKA 2103 or GRKA 2003. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
GRKA 2902 Special Greek 2.2	4	P GRKA 2901. C GRKA 2104 or GRKA 2004. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	2
GRKA 3005 Greek 3.1	8	P GRKA 2004.	1
GRKA 3006 Greek 3.2	8	P GRKA 3005.	2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
GRKA 3105 Advanced Greek 3.1	8		P GRKA 2104 or GRKA 3006.				1
GRKA 3106 Advanced Greek 3.2	8		P GRKA 3105.				2
GRKA 3903 Special Greek 3.1	4		P Credit average in 24 credit points of 2000 level Greek incl GRKA 2901 + GRKA 2902. C GRKA 3105 or GRKA 3005. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
GRKA 3904 Special Greek 3.2	4		P GRKA 3903. C GRKA 3106 or GRKA 3006. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
GRKA 4011 Greek Honours A	12		P Credit in 60 credit points of Greek incl GRKA 3903 + GRKA 3904 and either GRKA 3105 + GRKA 3106 or GRKA 3005 + GRKA 3006. <i>NB: Department permission required for enrolment.</i>				1, 2
GRKA 4012 Greek Honours B	12		C GRKA 4011.				1, 2
GRKA 4013 Greek Honours C	12		C GRKA 4012.				1, 2
GRKA 4014 Greek Honours D	12		C GRKA 4013.				1, 2
■ Greek and Roman Literature							
GRLT 2301 Greek and Roman Literature – Epic	8		P 18 Junior credit points.				1
GRLT 2302 Greek and Roman Literature – Novel	8		P GRLT 2301 or 18 Junior credit points.				2
■ Hebrew (Classical)							
HBW 1111 Hebrew Classical B1	6		N HBW 1311.				1
HBW 1112 Hebrew Classical B2	6		P HBW 1111. N HBW 1312.				2
HBW 1311 Hebrew Classical A1	6		P HSC Hebrew or equivalent. N HBW 1111.				1
HBW 1312 Hebrew Classical A2	6		P HBW 1311. N HBW 1112.				2
HBW 2113 Hebrew Classical B3	8		P HBW 1112 or HBW 2402.				1
HBW 2114 Hebrew Classical B4	8		P HBW 2113.				2
HBW 2115 Hebrew Classical 5	8		P HBW 2114 or HBW 2314.				1
HBW 2116 Hebrew Classical 6	8		P HBW 2115.				2
HBW 2313 Hebrew Classical A3	8		P HBW 1312.				1
HBW 2314 Hebrew Classical A4	8		P HBW 2313.				2
HBW 2401 Hebrew Accelerated C1	8		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 8 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 HBW 1101, 1102, 1112.				1
HBW 2402 Hebrew Accelerated C2	4		P HBW 2401.				2
HBW 2901 Aramaic B1	4		P 12 Junior credit points of Hebrew.				1
HBW 2902 Aramaic B2	4		P HBW 2901.				2
HBW 2911 Syriac B1	4		P 12 Junior credit points of Hebrew.				1
HBW 2912 Syriac B2	4		P HBW 2911.				2
HBW 3901 Aramaic B3	4		P HBW 2902.				1
HBW 3902 Aramaic B4	4		P HBW 3901.				2
HBW 3911 Syriac B3	4		P HBW 2912.				1
HBW 3912 Syriac B4	4		P HBW 3911.				2
ANHS 3922 Akkadian Language II	4		P ANHS 3923. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ANHS 3923 Akkadian Language I	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902; or HSC Hebrew, HBRW 1111, Arabic 1, or equivalent in these or another Semitic language. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
HBRW 4011 Hebrew (Classical) Honours A	12	P Credit results in HBRW 2115 and HBRW 2116, plus 16 extra credit points from the Department of Hebrew, Biblical and Jewish Studies. <i>NB: Department permission required for enrolment.</i>					1, 2
HBRW 4012 Hebrew (Classical) Honours B	12	c HBRW 4011.					1, 2
HBRW 4013 Hebrew (Classical) Honours C	12	c HBRW 4012.					1, 2
HBRW 4014 Hebrew (Classical) Honours D	12	c HBRW 4013.					1, 2
■ Hebrew (Modern)							
HBRW 1011 Hebrew Modern B1	6						1
HBRW 1102 Hebrew Modern B2	6	P HBRW 1011.					2
HBRW 1301 Hebrew Modern A1	6						1
HBRW 1302 Hebrew Modern A2	6	P HBRW 1301.					2
HBRW 2103 Hebrew Modern B3	8	P HBRW 1102.					1
HBRW 2104 Hebrew Modern B4	8	P HBRW 2103.					2
HBRW 2105 Hebrew Modern B5	8	P HBRW 2104.					1
HBRW 2106 Hebrew Modern B6	8	P HBRW 2105.					2
HBRW 2303 Hebrew Modern A3	8	P HBRW 1302.					1
HBRW 2304 Hebrew Modern A4	8	P HBRW 2303.					2
HBRW 2305 Hebrew Modern A5	8	P HBRW 2304.					1
HBRW 2306 Hebrew Modern A6	8	P HBRW 2305.					2
HBRW 4021 Hebrew (Modern) Honours A	12	P Consult Department for details. <i>NB: Department permission required for enrolment.</i>					1, 2
HBRW 4022 Hebrew (Modern) Honours B	12	c HBRW 4021.					1, 2
HBRW 4023 Hebrew (Modern) Honours C	12	c HBRW 4022.					1, 2
HBRW 4024 Hebrew (Modern) Honours D	12	c HBRW 4023.					1, 2
■ Heritage Studies							
HRTG 2001 Approaching Heritage Studies	8	P At least 18 junior credit points. N ARHT 2034.					1
HRTG 2002 The Museum and Cultural Heritage	8	P HRTG 2001 or ARHT 2034. N HSTY 2022.					2
HRTG 3001 Heritage Museums and the Public Sphere	8	P HRTG 2001 or ARHT 2034.					1
HRTG 3002 Social History and Heritage Studies	8	P HRTG 2001 or ARHT 2034.					2
■ Hindi – Urdu							
HIUR 1001 Hindi and Urdu Introductory 1	6						1
HIUR 1002 Hindi and Urdu Introductory 2	6	P HIUR 1001.					2
HIUR 2001 Hindi and Urdu Intermediate 1	8	P HIUR 1002.					1
HIUR 2002 Hindi and Urdu Intermediate 2	8	P HIUR 2001.					2
HIUR 3001 Hindi and Urdu Advanced 1	8	P HIUR 2002.					1
HIUR 3002 Hindi and Urdu Advanced 2	8	P HIUR 3001.					2
■ History							
HSTY 1025 Early Medieval Europe	6						1
HSTY 1034 Early Modern Europe 1500–1750	6						2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
HSTY 1043 Modern European Politics and Culture	6						2
HSTY 1045 Modern European History 1750–1914	6						1
HSTY 1076 American History from Lincoln to Clinton	6	N HSTY 2035.					1
HSTY 1088 Australian History: An Introduction	6						2
HSTY 1801 History Exchange	6						1, 2
HSTY 1802 History Exchange	6						1, 2
HSTY 2003 Cultural Transmissions 1750–1914	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					2
HSTY 2004 Making Australia 1880–1930	8	P 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture.					Summer
HSTY 2005 East and West in Contemporary Europe	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					2
HSTY 2008 Film and History	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					2
HSTY 2009 The Black Experience in the Americas	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					2
HSTY 2013 Modern Russia: State, Society, Culture	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					1
HSTY 2014 Australian Social History 1919–1998	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					1
HSTY 2015 Heresy and Inquisition	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					Summer
HSTY 2018 Mediterranean World in High Middle Ages	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					1
HSTY 2024 The World Turned Upside Down	8	P 12 Junior credit points of Ancient History, History or Economic History; or 6 credit points of Ancient History together with 6 credit points of Classical Civilization.					1
HSTY 2034 A History of the United States to 1865	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					1, Summer
HSTY 2050 European Conquests 1500–1750	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.					1
HSTY 2055 Race Relations and Australian Frontiers	8	P 12 junior credit points in History, Ancient History or Economic History, or special permission from the Chair of Department.					2
HSTY 2056 A House Divided: The American Civil War	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.					2
HSTY 2058 French Politics and Culture	8	P 12 credit points of Junior History, Ancient History, Economic History, or Asian History and Culture. N ECHS 2307.					2
HSTY 2059 Nationalism	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.					1
HSTY 2060 Violence in Italy	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.					1
HSTY 2061 Medicine, Gender and History	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. N WMST 2006.					2
HSTY 2062 Atlantic World in the Age of Empire	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.					1
HSTY 2063 Natives and Newcomers	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.					2
HSTY 2064 Communicating Culture in the Middle Ages	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.					2
HSTY 2801 History Exchange	8						1, 2
HSTY 2802 History Exchange	8						1, 2
HSTY 2803 History Exchange	8						1, 2
HSTY 2807 History Exchange	4						1, 2
HSTY 2808 History Exchange	4						1, 2
HSTY 2901 Writing History: Reading the Past	4	P Credit average in 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
HSTY 2902 Writing History: Recovering the Past	4	P HSTY 2901. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
HSTY 3003 Australian Cultural History	4	P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
HSTY 3004 Issues in Australian Cultural History	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3041 Australia and the World I	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3042 Australia and the World II	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3049 European Cultural History	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3050 Issues in European Cultural History	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3073 Nineteenth Century Germany	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3074 Aspects of German History	4		P Credit average in 24 credit points of History, including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3081 Ways of Seeing the Italian Renaissance 1	4		P Credit average in 24 credit points of History including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3082 Ways of Seeing the Italian Renaissance 2	4		P Credit average in 24 credit points of History including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3083 Race, Empire and Bondage 1	4		P 24 senior credit points, including HSTY 2901 and HSTY 2902 at credit average or better. In third year students may do HSTY 2901 and HSTY 2902 and HSTY 3000 level units of study concurrently. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3084 Race, Empire and Bondage 2	4		P 24 senior credit points, including HSTY 2901 and HSTY 2902 at credit average or better. In third year students may do HSTY 2901 and HSTY 2902 and HSTY 3000 level units of study concurrently. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3085 The Celtic World	4		P 12 Junior History, Modern Asian History and Culture, Ancient History or Economic History credit points (Credit or better), 24 Senior credit points in History (including HSTY 2901 and 2902) or Ancient History equivalent (Credit average). <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3093 Race and Gender in America 1	4		P Credit average in 24 credit points of History including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
HSTY 3094 Race and Gender in America 2	4		P Credit average in 24 credit points of History including HSTY 2901 and HSTY 2902. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 3095 The Celtic World Revisited	4		P 12 Junior History, Modern Asian History and Culture, Ancient History or Economic History credit points (Credit or better), 24 Senior credit points in History (including HSTY 2901 and 2902) or Ancient History equivalent (Credit average). <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
HSTY 4011 History Honours A	12		P Credit average in 48 Senior credit points of History, including HSTY 2901 and HSTY 2902, and 8 credit points of study at 3000 level. <i>NB: Department permission required for enrolment.</i>				1, 2
HSTY 4012 History Honours B	12		P See under HSTY 4011. C HSTY 4011.				1, 2
HSTY 4013 History Honours C	12		P See under HSTY 4011. C HSTY 4012.				1, 2
HSTY 4014 History Honours D	12		P See under HSTY 4011. C HSTY 4013.				1, 2
■ Indonesian and Malay Studies							
INMS 1101 Indonesian Introductory 1	6		N Native or near native speakers of Indonesian or Malay, HSC Continuer, or Extension Indonesian or Beginners Indonesian – 75% or above or equivalent. <i>NB: Native or near native speakers of Indonesian or Malay must consult the department before enrolling.</i>				1
INMS 1102 Indonesian Introductory 2	6		P INMS 1101. N INMS 1301, INMS 1302.				2
INMS 1301 Indonesian Introductory 3	6		A HSC Continuers Indonesian or Indonesian Extension or 75 or more in Indonesian Beginners or equivalent. N INMS 1101.				1
INMS 1302 Indonesian Introductory 4	6		P INMS 1301. N INMS 1101, INMS 1102.				2
INMS 2101 Indonesian Intermediate 1	8		P INMS 1102.				1
INMS 2102 Indonesian Intermediate 2	8		P INMS 2101.				2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
INMS 2301 Indonesian Intermediate 3	8		P INMS 1302.				1
INMS 2302 Indonesian Intermediate 4	8		P INMS 2301.				2
INMS 2501 Indonesian In-Country Study A	8		P INMS 1102 or INMS 1302. <i>NB: Department permission required for enrolment.</i>				1, 2
INMS 3101 Indonesian Advanced 1	8		P INMS 2102.				1
INMS 3102 Indonesian Advanced 2	8		P INMS 3101.				2
INMS 3301 Indonesian Advanced 3	8		P INMS 2302.				1
INMS 3302 Indonesian Advanced 4	8		P INMS 3301.				2
INMS 3902 Introduction to Research and Methodology	8		P Credit in INMS 2901 and INMS 2102 or INMS 2302.				2
INMS 4011 Indonesian and Malay Studies Honours A	12		P INMS 3102 or INMS 3302 and INMS 3192, all at Credit level. <i>NB: Department permission required for enrolment.</i>				1, 2
INMS 4012 Indonesian and Malay Studies Honours B	12		C INMS 4011.				1, 2
INMS 4013 Indonesian and Malay Studies Honours C	12		C INMS 4012.				1, 2
INMS 4014 Indonesian and Malay Studies Honours D	12		C INMS 4013.				1, 2
■ International and Comparative Literary Studies							
ICLS 2003 Literary Change and Innovation	8		P 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject.				1
ICLS 2004 Cognate Comparisons	8		P 18 credit points at Junior level from any department in the Faculty of Arts from Part A, of which 12 credit points are from one subject.				2
■ Italian							
ITLN 1101 Beginners' Italian 1	6		N ITLN 1201, ITLN 1301, ITLN 1401. <i>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.</i>				1, Summer
ITLN 1102 Beginners' Italian 2	6		P ITLN 1101 or equivalent. N ITLN 1202, ITLN 1302, ITLN 1402.				2
ITLN 1201 Intermediate Italian 1	6		P HSC 2UZ Italian or Italian Beginners or equivalent. N ITLN 1101, ITLN 1301, ITLN 1401.				1
ITLN 1202 Intermediate Italian 2	6		P ITLN 1201 or equivalent. N ITLN 1102, ITLN 1302, ITLN 1402.				2
ITLN 1301 Advanced Italian 1	6		P HSC 2U or 3U Italian or Italian Continuers or Italian Extension or equivalent. N ITLN 1101, ITLN 1201, ITLN 1401.				1
ITLN 1302 Advanced Italian 2	6		P ITLN 1301 or equivalent. N ITLN 1102, ITLN 1202, ITLN 1402.				2
ITLN 1401 Advanced Italian 1 (Native Speakers)	6		P Native-speaker proficiency in Italian. N ITLN 1101, ITLN 1201, ITLN 1301. <i>NB: Department permission required for enrolment. Department permission required for enrolment.</i>				1
ITLN 1402 Advanced Italian 2 (Native Speakers)	6		P ITLN 1401. N ITLN 1102, ITLN 1202, ITLN 1302. <i>NB: Department permission required for enrolment.</i>				2
ITLN 1801 Italian Exchange	6		<i>NB: Department permission required for enrolment.</i>				1, 2
ITLN 2101 Intermediate Italian Language 3	4		P ITLN 1102 or equivalent. N ITLN 2201, ITLN 2301.				1
ITLN 2201 Intermediate Italian Language 4	4		P ITLN 1202 or High Distinction in ITLN 1102 or equivalent. N ITLN 2101, ITLN 2301.				1
ITLN 2202 Intermediate Italian Language 5	4		P ITLN 2101 or ITLN 2201. N ITLN 2302.				2
ITLN 2301 Advanced Italian Language 3	4		P ITLN 1302 or ITLN 1402 or equivalent. N ITLN 2101, ITLN 2201.				1
ITLN 2302 Advanced Italian Language 4	4		P ITLN 2301 or equivalent. N ITLN 2202.				2
ITLN 2801 Italian Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
ITLN 2802 Italian Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
ITLN 2803 Italian Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
ITLN 2806 Italian Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
ITLN 2807 Italian Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ITLN 2808 Italian Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
ITLN 2809 Italian Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
ITLN 2901 Italian 2 Honours: Methodologies	4	P Credit result in one of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ITLN 2902 Italian 2 Honours: Cultural History	4	P Credit result in one of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ITLN 3201 Advanced Italian Language 5	4	P ITLN 2202 or equivalent. N ITLN 3301.					1
ITLN 3202 Advanced Italian Language 6	4	P ITLN 3201 or equivalent. N ITLN 3302.					2
ITLN 3301 Advanced Italian Language 7	4	P ITLN 2302 or equivalent. N ITLN 3201, ITLN 3401.					1
ITLN 3302 Advanced Italian Language 8	4	P ITLN 3301 or equivalent. N ITLN 3202, ITLN 3402.					2
ITLN 3401 Advanced Italian Language 9	4	P ITLN 3202 or ITLN 3302 or equivalent.					1
ITLN 3402 Advanced Italian Language 10	4	P ITLN 3202 or ITLN 3302 or equivalent.					2
ITLN 3701 Dante, Inferno	4	A One of ITLN 1302, ITLN 1402, ITLN 2202. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ITLN 3702 Dante: Purgatorio	4	P ITLN 3701. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ITLN 3706 Renaissance Florence	4	A One of ITLN 1302, ITLN 1402, ITLN 2101, ITLN 2201. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ITLN 3715 Texts and Performance	4	A One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402.					1
ITLN 3752 Italian Sociolinguistics	4	A One of ITLN 1302, ITLN 1402, ITLN 2202. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ITLN 3753 Italian Language Acquisition	4	A One of ITLN 1302, ITLN 1402, ITLN 2202. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ITLN 3754 Italian in Contact	4	A One of ITLN 1302, ITLN 1402, ITLN 2202 or equivalent. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ITLN 3757 Debates in Contemporary Italy	4	A One of ITLN 2101, ITLN 2201, ITLN 2301. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
ITLN 3758 Contemporary Italian Poetry	4	A One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ITLN 3761 Sicilian Thrillers	4	A One of ITLN 1302, ITLN 1402, ITLN 2202.					2
ITLN 3763 Youth in Contemporary Italian Literature	4	A ITLN 1302, ITLN 1402 or ITLN 2202. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
ITLN 4011 Italian Honours A	12	P Students must have qualified for the award of the Pass degree with a Major in Italian (32 Senior credit points). They will normally have completed an additional 16 credit points, of which 8 must be ITLN 2901 and ITLN 2902 (total 48 credit points). Intending Honours students should attain a Credit average result in Italian units of study taken at Senior level in their Major. <i>NB: Department permission required for enrolment.</i>					1, 2
ITLN 4012 Italian Honours B	12	C ITLN 4011.					1, 2
ITLN 4013 Italian Honours C	12	C ITLN 4012.					1, 2
ITLN 4014 Italian Honours D	12	C ITLN 4013.					1, 2
■ Japanese							
JPNS 1111 Introductory Japanese 1	6	N JPNS 1113, JPNS 1114, JPNS 1115, any HSC Japanese or equivalent previous study of Japanese.					1, Summer
JPNS 1113 Introductory Japanese 5	6	P Japanese Extension or Japanese Continuers 70% or above (or equivalent determined by the department). N JPNS 1111, JPNS 1114, JPNS 1115.					1
JPNS 1114 Introductory Japanese 3	6	P 65% or more in HSC Japanese Beginners or less than 70% in HSC Japanese Continuers. N JPNS 1111, JPNS 1113, JPNS 1115.					1
JPNS 1121 Introductory Japanese 2	6	P JPNS 1111. N JPNS 1125, JPNS 1124, JPNS 1123.					2, Summer
JPNS 1123 Introductory Japanese 6	6	P JPNS 1113. N JPNS 1121, JPNS 1124, JPNS 1125.					2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
JPNS 1124 Introductory Japanese 4	6	P JPNS 1114. N JPNS 1121, JPNS 1123, JPNS 1125.					2
JPNS 1125 Introductory Japanese 8	6	P JPNS 1115. N JPNS 1121, JPNS 1123, JPNS 1124, (may not normally be taken by native speakers of Japanese).					2
JPNS 1801 Japanese Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2212 Intermediate Japanese 1	8	P JPNS 1121.					1
JPNS 2213 Intermediate Japanese 3	8	P JPNS 1124 or JPNS 2222. N JPNS 2201.					1
JPNS 2222 Intermediate Japanese 2	8	P JPNS 2212.					2
JPNS 2223 Intermediate Japanese 4	8	P JPNS 2213. N JPNS 2202.					2
JPNS 2301 Japanese Communication Intermediate 5	4	P JPNS 1123 or JPNS 2202.					1
JPNS 2302 Japanese Communication Intermediate 6	4	P JPNS 2301.					2
JPNS 2308 Readings in Japanese Linguistics	8	P JPNS 1123, JPNS 1125 or JPNS 2202 or JPNS 2301 or JPNS 2501.					2
JPNS 2314 Introduction to Japanese Society	8	P JPNS 1123, JPNS 1125 or JPNS 2202 or JPNS 2301 or JPNS 2501.					2
JPNS 2316 Power in Japanese Politics and Society	8	P JPNS 1123 or JPNS 1125 or JPNS 2202. N ASNS 2306.					1
JPNS 2381 In-Country Study – Japan 1	8	P 12 Junior JPNS credit points. <i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2382 In-Country Study – Japan 2	8	P 12 Junior JPNS credit points. <i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2501 Japanese Communication Intermediate 7	4	P JPNS 1125. N JPNS 2301.					1
JPNS 2502 Japanese Communication Intermediate 8	4	P JPNS 2501. N JPNS 2302.					2
JPNS 2801 Japanese Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2802 Japanese Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2803 Japanese Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2807 Japanese Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2808 Japanese Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 2901 Japanese Special Entry 1	4	P Credit results in 12 Junior JPNS units of study. C JPNS 2201 or JPNS 2212 or JPNS 2301 or JPNS 2501. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
JPNS 2902 Japanese Special Entry 2	4	P JPNS 2901. C JPNS 2202 or JPNS 2222 or JPNS 2302 or JPNS 2502. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
JPNS 3106 Introduction: Japanese Society & Culture	8	P JPNS 1124 or JPNS 2222.					2
JPNS 3116 Contemporary Japanese Literature	8	P JPNS 1124 or JPNS 2222.					1
JPNS 3301 Japanese Communication Advanced 1	4	P JPN 2302 or JPNS 2502.					1
JPNS 3302 Japanese Communication Advanced 2	4	P JPNS 3301.					2
JPNS 3314 Readings in Japanese Society	8	P JPNS 2302 or JPNS 2502.					1
JPNS 3901 Japanese Special Entry 3	4	P Credit results in JPNS 2901 and JPNS 2902. C JPNS 2201 or JPNS 2301 or JPNS 3301. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
JPNS 3902 Japanese Special Entry 4	4	P JPNS 3901. C JPNS 2202 or JPNS 2302 or JPNS 3302. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
JPNS 4011 Japanese Honours A	12	P Credit result in JPNS 3901 and JPNS 3902. <i>NB: Department permission required for enrolment.</i>					1, 2
JPNS 4012 Japanese Honours B	12	C JPNS 4011.					1, 2
JPNS 4013 Japanese Honours C	12	C JPNS 4012.					1, 2
JPNS 4014 Japanese Honours D	12	C JPNS 4013.					1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Jewish Civilisation, Thought and Culture							
JCTC 1001	Palestine: Roman Rule to Islam	6					1
JCTC 1002	Jewish Settlement Outside Palestine	6	P JCTC 1001.				2
JCTC 1801	Jewish Civilization Exchange	6	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 2003	Jews Under the Crescent and the Cross	8	P JCTC 1001 or relevant units in Medieval Studies or History. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
JCTC 2004	From Expulsion to Regeneration	8	P JCTC 1001 or relevant units of study in Medieval Studies or History. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
JCTC 2005	From Emancipation to the Holocaust	8	P JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY 1031, HSTY 1043, HSTY 1044, HSTY 1045. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				1
JCTC 2006	The Holocaust: History and Aftermath	8	P JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY 1031, HSTY 1043, HSTY 1044, HSTY 1045. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>				2
JCTC 2007	Israel in the Modern Middle East	8	P JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY 1031, HSTY 1043, HSTY 1044, HSTY 1045.				1
JCTC 2801	Jewish Civilization Exchange	8	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 2802	Jewish Civilization Exchange	8	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 2803	Jewish Civilization Exchange	8	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 2804	Jewish Civilization Exchange	8	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 2807	Jewish Civilization Exchange	4	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 2808	Jewish Civilization Exchange	4	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 4011	Judaic Studies Honours A	12	<i>NB: Department permission required for enrolment.</i>				1, 2
JCTC 4012	Judaic Studies Honours B	12	c JCTC 4011.				1, 2
JCTC 4013	Judaic Studies Honours C	12	c JCTC 4012.				1, 2
JCTC 4014	Judaic Studies Honours D	12	c JCTC 4013.				1, 2
■ Korean							
KRNS 1101	Korean Introductory Level 1	6	n KRNS 1301.				1
KRNS 1102	Korean Introductory Level 2	6	P KRNS 1101. n KRNS 1302.				2
KRNS 1301	Korean Introductory Level 5	6	n KRNS 1101.				1
KRNS 1302	Korean Introductory Level 6	6	P KRNS 1301. n KRNS 1102.				2
KRNS 1801	Korean Exchange	6	<i>NB: Department permission required for enrolment.</i>				1, 2
KRNS 2001	Intermediate Korean Level 1	8	P KRNS 1102. n KRNS 2101, KRNS 2111.				1
KRNS 2002	Intermediate Korean Level 2	8	P KRNS 2001 or KRNS 2111. n KRNS 2102, KRNS 2112.				2
KRNS 2317	Introduction to Korean Phonology	8	P 12 Junior credit points of KRNS or LNGS. n KRNS 2318.				1
KRNS 2381	In-Country Study – Korea 1	8	P KRNS 1102 or KRNS 1302. <i>NB: Department permission required for enrolment.</i>				1
KRNS 2382	In-Country Study – Korea 2	8	P KRNS 2102 or KRNS 2312 or KRNS 2381. <i>NB: Department permission required for enrolment.</i>				2
KRNS 2400	Translation and Interpretation	8	P KRNS 1302.				1
KRNS 2515	Issues in Korean Language	8	P KRNS 1302.				2
KRNS 2600	Korean Perspectives on East Asian Media	8	P 12 Junior credit points of KRNS. n ASNS 2600.				1
KRNS 2601	Traditional Korean History	8	P 12 Junior credit points of KRNS. n KRNS 2501, ASNS 2501.				1
KRNS 2602	Modern Korean History	8	P 12 Junior credit points of KRNS. n ASNS 2502, KRNS 2502.				2
KRNS 2611	Korean Media	8	P 12 Junior credit points of KRNS. n KRNS 2511, ASNS 2511.				2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
KRNS 2801 Korean Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
KRNS 2802 Korean Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
KRNS 2803 Korean Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
KRNS 2807 Korean Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
KRNS 2808 Korean Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
KRNS 2900 Topics in Korean Studies	4	P Credits in all the first year and the second year first semester KRNS units.					2
		C KRNS 2112 or KRNS 2312.					
		N KRNS 2191, 2192, 2391, or 2392.					
KRNS 3001 Korean Advanced Level 1	8	P KRNS 2002 or KRNS 2112.					1
		N KRNS 3101, KRNS 3111.					
KRNS 3002 Korean Advanced Level 2	8	P KRNS 3001 or KRNS 3111.					2
		N KRNS 3102, KRNS 3112.					
KRNS 3901 Preparation for Honours Thesis 1	4	P Credits in the second year KRNS units including KRNS 2900.					1
		C KRNS 3111 or KRNS 3311.					
		N KRNS 3191 or KRNS 3391.					
KRNS 3902 Preparation for Honours Thesis 2	4	P Credits in all KRNS units taken by the first semester of the third year including KRNS 3901.					2
		C KRNS 3112 or KRNS 3312.					
		N KRNS 3192 or KRNS 3392.					
KRNS 4011 Korean Honours A	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902.					1, 2
		<i>NB: Department permission required for enrolment.</i>					
KRNS 4012 Korean Honours B	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902.					1, 2
		C KRNS 4011.					
KRNS 4013 Korean Honours C	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902.					1, 2
		C KRNS 4012.					
KRNS 4014 Korean Honours D	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902.					1, 2
		C KRNS 4013.					
■ Latin							
LATN 1001 Latin 1.1	6	N LATN 1101.					1
LATN 1002 Latin 1.2	6	P LATN 1001.					2
		N LATN 1102.					
LATN 1101 Advanced Latin 1.1	6	P HSC Latin Continuers.					1
		N LATN 1001.					
LATN 1102 Advanced Latin 1.2	6	P LATN 1101.					2
		N LATN 1002.					
LATN 2003 Latin 2.1	8	P LATN 1002.					1
LATN 2004 Latin 2.2	8	P LATN 2003.					2
LATN 2103 Advanced Latin 2.1	8	P LATN 1102.					1
LATN 2104 Advanced Latin 2.2	8	P LATN 2103.					2
LATN 2301 Accelerated Latin 2.1	4	P 18 Junior credit points including 12 credit points in Archaeology, Classical Civilisation or Classical Greek, Ancient History or Philosophy.					1
		C 8 Senior credit points in Archaeology, Classical Civilisation or Classical Greek, Ancient History or Philosophy.					
		N LATN 1001.					
LATN 2302 Accelerated Latin 2.2	4	P LATN 2301.					2
		N LATN 1002.					
LATN 2312 Accelerated Latin 2 Additional	4	P LATN 2301.					2
		C LATN 2302.					
LATN 2801 Latin Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
LATN 2802 Latin Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
LATN 2803 Latin Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
LATN 2807 Latin Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
LATN 2808 Latin Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
LATN 2901 Special Latin 2.1	4	P LATN 1002 (credit) or LATN 2302 (credit).					1
		C LATN 2003.					
		<i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					
LATN 2902 Special Latin 2.2	4	P LATN 2901.					2
		C LATN 2004.					
		<i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
LATN 2911 Special Advanced Latin 2.1	4	P LATN 1102 (credit). C LATN 2103. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
LATN 2912 Special Advanced Latin 2.2	4	P LATN 2911. C LATN 2104. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
LATN 3005 Latin 3.1	8	P LATN 2004 or LATN 2104.					1
LATN 3006 Latin 3.2	8	P LATN 3005.					2
LATN 3903 Special Latin 3.1	4	P LATN 2902 or LATN 2912 (credits). C LATN 3005. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
LATN 3904 Special Latin 3.2	4	P LATN 3903. C LATN 3006. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
LATN 4011 Latin Honours A	12	P LATN 3006 and LATN 3904 (Credit). <i>NB: Department permission required for enrolment.</i>					1, 2
LATN 4012 Latin Honours B	12	C LATN 4011.					1, 2
LATN 4013 Latin Honours C	12	C LATN 4012.					1, 2
LATN 4014 Latin Honours D	12	C LATN 4013.					1, 2
■ Linguistics							
LNGS 1001 Structure of Language	6	N May not be taken as well as LNGS 1004 or LNGS 1005.					1
LNGS 1002 Language and Social Context	6						2
LNGS 1005 Structure of English	6	N may not be taken as well as LNGS 1001 or LNGS 1004.					1
LNGS 1801 Linguistics Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
LNGS 2001 Phonetics and Phonology	8	P One of LNGS 1001, LNGS 1004, LNGS 1005 and one of LNGS 1002, LNGS 1003. N KRNS 2317 or KRNS 2318.					2
LNGS 2002 Syntax	8	P One of LNGS 1001, LNGS 1004, LNGS 1005 and one of LNGS 1002, LNGS 1003. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
LNGS 2003 Functional Grammar and Discourse	8	P One of LNGS 1002, ENGL 1050, MECO 1001, LNGS 1001, LNGS 1003, LNGS 1004, LNGS 1005.					1
LNGS 2004 Discourse Analysis	8	P Two of LNGS 1002, ENGL 1050, MECO 1001, LNGS 1001, LNGS 1003, LNGS 1004, LNGS 1005, LNGS 2003.					2
LNGS 2027 Computer Applications in Linguistics	8	P LNGS 1001 or LNGS 1005 and one of LNGS 1002, LNGS 1003.					1
LNGS 2079 Language, Brain and Mind	8	P Two of LNGS 1001, LNGS 1002, LNGS 1003, LNGS 1004 and LNGS 1005.					2
LNGS 2801 Linguistics Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
LNGS 2802 Linguistics Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
LNGS 2803 Linguistics Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
LNGS 2807 Linguistics Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
LNGS 2808 Linguistics Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
LNGS 3026 Semantics and Pragmatics	8	P One of LNGS 2001, LNGS 2002, LNGS 2003, LNGS 2004. N LNGS 3006. <i>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.</i>					1
LNGS 3912 Media Discourse: Analysing Mass Media	8	P Credit average in 24 senior units in Linguistics (or Media and Communication electives).					1
LNGS 3914 Issues in Theoretical Linguistics	8	P Credit average in LNGS 2001 and LNGS 2002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
LNGS 3921 Language and Culture	8	P Credit average in 24 Senior credit points of Linguistics, including two of the following units: LNGS 2001, LNGS 2002, LNGS 2003 and LNGS 2004.					1
LNGS 3922 Educational Linguistics	8	P Credit average in 24 Senior credit points of Linguistics. N LNGS 3902.					2
LNGS 3923 Cross-Cultural Communication	8	P Credit average in 24 Senior credit points of Linguistics, or of a foreign language. N LNGS 3903.					2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
LNGS 3927 Language and Identity	8	P Credit average in 24 Senior credit points of Linguistics, or a foreign language. N LNGS 3907.	2
LNGS 3929 Bilingualism	8	P Credit average in 24 Senior credit points in Linguistics.	1
LNGS 3933 Translation	8	P Credit average in 24 senior credit points in Linguistics.	2
LNGS 3940 Linguistics Research Issues	8	P A credit average in a total of 24 senior credit points in Linguistics and permission of Chair of the Department. NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	1, 2
LNGS 4011 Linguistics Honours A	12	P Credit average in 48 Senior Credits of Linguistics, including LNGS 3026 and 3 of LNGS 2001, LNGS 2002, LNGS 2003, LNGS 2004. NB: Department permission required for enrolment.	1, 2
LNGS 4012 Linguistics Honours B	12	c LNGS 4011.	1, 2
LNGS 4013 Linguistics Honours C	12	c LNGS 4012.	1, 2
LNGS 4014 Linguistics Honours D	12	c LNGS 4013.	1, 2
Media and Communications			
MECO 1001 Introduction to Media Studies 1	6	NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	2
MECO 1003 Principles of Media Writing	6	N MECO 2002. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	1
MECO 2001 Radio Broadcasting	8	P 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	1
MECO 2003 Media Relations	8	P 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	2
MECO 2801 Media and Communications Exchange	8	NB: Department permission required for enrolment.	1, 2
MECO 2802 Media and Communications Exchange	8	NB: Department permission required for enrolment.	1, 2
MECO 2803 Media and Communications Exchange	8	NB: Department permission required for enrolment.	1, 2
MECO 2804 Media and Communications Exchange	8	NB: Department permission required for enrolment.	1, 2
MECO 3001 Video Production	8	P 12 junior credit points of MECO units; ENG1005 or ENGL 1050 or LNS1005. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	1, 2
MECO 3002 Online Media Production	8	P MECO 3001. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	2
MECO 3003 Media, Law and Ethics	8	P 12 junior credit points of MECO units; ENGL 1005 or ENGL 1050 or LNGS 1005. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	2
MECO 3005 Media Globalisation	8	P 12 junior credit points of MECO units; ENG1005 or ENGL 1050 or LNGS 1005. NB: NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only.	1
MECO 3701 Media and Communications Internship	8	P MECO 3002 and MECO 3003. NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	1, 2
MECO 3702 Internship Project	8	P MECO 3002 & MECO 3003. C MECO 3701. NB: Available to BA(Media and Commun) and BSc (Media & Communications) students only.	1, 2
MECO 4101 Honours Internship and Project	16	P 144 credit points in the BA (Media and Communications) degree with a Credit average in senior MECO units of study. N May not be taken with MECO 3701 or MECO 3702. NB: Department permission required for enrolment. Available to students enrolled in the BA Media & Communications.	1
MECO 4102 Research Methods: Media & Communication	8	P 144 credit points of the BA (Media and Communications) with a Credit average in senior MECO units of study. NB: Department permission required for enrolment. Available only to students enrolled in the BA (Media and Communications).	1
MECO 4103 Honours Thesis 1	12	P (MECO 4101 and MECO 4102) or (MECO 4201 and MECO 4202). NB: Department permission required for enrolment. Available to students enrolled in the BA Media and Communications only.	2
MECO 4104 Honours Thesis 2	12	NB: Department permission required for enrolment.	2
MECO 4201 Honours Conversion 1	8	P BA (Media and Communications) with a Credit Average in senior MECO units of study. N May not be taken with MECO 4101. NB: Department permission required for enrolment. Available only to graduates of the BA Media and Communications.	1
MECO 4202 Honours Conversion 2	8	P BA Media and Communications with Credit average in senior MECO units of study. N May not be taken with MECO 4101. NB: Department permission required for enrolment. Available to graduates of the BA Media and Communications only.	1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Medieval Studies							
MDST 2001 The Written Record of the Middle Ages	8		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.				1
MDST 2007 Medieval Literary and Artistic Modes	8		P At least 12 Junior credit points in one subject area and 6 in another, both from Part A of the Table of units of study.				2
MDST 4011 Medieval Studies Honours A	12		P A Major in Medieval Studies plus 16 additional credit points from units of study in List B, all with a credit average. <i>NB: Department permission required for enrolment.</i>				1, 2
MDST 4012 Medieval Studies Honours B	12		C MDST 4011.				1, 2
MDST 4013 Medieval Studies Honours C	12		C MDST 4012.				1, 2
MDST 4014 Medieval Studies Honours D	12		C MDST 4013.				1, 2
■ Modern Greek							
MGRK 1101 Basic Modern Greek A	6						1
MGRK 1102 Basic Modern Greek B	6		P MGRK 1101.				2
MGRK 1401 Modern Greek A	6		P Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency determined by the Department. N MGRK 1101, MGRK 1201, MGRK 1301, MGRK 1503.				1
MGRK 1402 Modern Greek B	6		P Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency determined by the Department. N MGRK 1102, MGRK 1202, MGRK 1302, MGRK 1504.				2
MGRK 1501 Cultural and Historical Survey A	3						1
MGRK 1502 Cultural and Historical Survey B	3		P MGRK 1501 or special permission from the Chair of Department.				2
MGRK 2001 Intermediate Modern Greek A	8		P MGRK 1102.				1
MGRK 2002 Intermediate Modern Greek B	8		P MGRK 2001.				2
MGRK 2203 Style and Expression	4		P MGRK 1202 or MGRK 2002.				1
MGRK 2204 Comparison of Greek and English	4		P MGRK 1202 or MGRK 2002.				2
MGRK 2501 The Other Road to Greek Modernity	4		P 12 Junior credit points in Modern Greek or special permission by the Department.				1
MGRK 2505 Deconstructing 20th Century Greek Prose	4		P 12 Junior credit points in Modern Greek or special permission by the Department.				2
MGRK 2512 Politics & Politicians in Modern Greece	4		P 12 Junior credit points in any subject.				1
MGRK 2523 Sex, Drugs and Music in Modern Greece	4		P 12 Junior credit points in any subject.				2
MGRK 2801 Modern Greek Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
MGRK 2802 Modern Greek Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
MGRK 2803 Modern Greek Exchange	8		<i>NB: Department permission required for enrolment.</i>				1, 2
MGRK 2807 Modern Greek Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
MGRK 2808 Modern Greek Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
MGRK 2904 Sociolinguistics in the Greek Diaspora	4		P A Special Entry Eligibility form signed by the Head of Department. <i>NB: Department permission required for enrolment.</i>				1
MGRK 3207 Varieties and Registers	4		P MGRK 1202 or special permission from Department. N MGRK 3205.				2
MGRK 3211 Theory and Practice of Translation B	4		P MGRK 1201 & MGRK 1202 or special permission by the Department.				1
MGRK 3901 Theories of Literature	4		P A Special Entry Eligibility form signed by the Head of Department. <i>NB: Department permission required for enrolment.</i>				2
MGRK 4011 Modern Greek Honours A	12		P A major in Modern Greek plus 16 additional credit points which must include MGRK 2904 and 3901. <i>NB: Department permission required for enrolment.</i>				1, 2
MGRK 4012 Modern Greek Honours B	12		C MGRK 4011.				1, 2
MGRK 4013 Modern Greek Honours C	12		C MGRK 4012.				1, 2
MGRK 4014 Modern Greek Honours D	12		C MGRK 4013.				1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Music							
MUSC 1501 Music 1A	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. This course is a prerequisite for MUSC 2902 and thus ultimately for Music Honours.					2
MUSC 1503 Music 1B	6	A The ability to follow a piano score while listening to the music. N MUSC 1501.					1
MUSC 1504 Music 2B	6	A a diagnostic test will be held early in semester for those students who have not completed MUSC 1503. N MUSC 1501.					2
MUSC 1506 Music in Western Culture	6	A The ability to follow a musical score while listening to the music.					2
MUSC 2010 Advanced Concepts 1	4	P One of MUSC 1005 or 1504 or 1501. N MUSC 1003.					1
MUSC 2012 Advanced Concert Performance 1	4	P 18 junior credit points, AND audition (contact the department one week before semester begins). C MUSC 2012 & MUSC 2013 must be taken over two consecutive semesters. <i>NB: Department permission required for enrolment.</i>					1
MUSC 2013 Advanced Concert Performance 2	4	P MUSC 2012. C MUSC 2012 & MUSC 2013 must be taken over two consecutive semesters.					2
MUSC 2018 Large Ensemble 1	4	P 18 junior credit points. Some ensemble groups require an audition as well. <i>NB: Department permission required for enrolment.</i>					1
MUSC 2019 Large Ensemble 2	4	P MUSC 2018.					2
MUSC 2023 History of Performance Practice	4	P 12 junior credits in music.					1
MUSC 2026 Australian Aboriginal Music	4	P 18 junior credits.					1
MUSC 2033 Music Publishing	4	P 12 junior music credits plus basic familiarity with Macintosh System 9 or above.					2
MUSC 2053 Sound and Music for Multimedia	4	A Macintosh Operating System 9 or equivalent. P 12 junior music credits.					1, 2
MUSC 2054 Popular Music	4	P 18 junior credits.					2
MUSC 2055 The Music of Claude Debussy	4	P 18 junior credits. <i>NB: MUSC 1003 or MUSC 1005 advised but not essential.</i>					1
MUSC 2071 The Symphonies of Gustav Mahler	4	P 12 junior music credits.					2
MUSC 2501 Australian and Asian Music	8	P 12 junior music credit points.					1
MUSC 2502 European Art – Music Traditions	8	P 12 junior music credit points.					2
MUSC 2610 Composition Workshop 1	4	P 12 junior credits in music.					1
MUSC 2801 Music Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
MUSC 2802 Music Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
MUSC 2803 Music Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
MUSC 2807 Music Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
MUSC 2808 Music Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
MUSC 2902 Harmony and Counterpoint	4	P 12 junior credits in Music with credit average, students will normally have completed MUSC 2010.					2
MUSC 2903 Fieldwork, Ethnography and Transcription	4	P 12 junior music credit points. Students will normally have completed either MUSC 1003 or 1005, or MUSC 1501 or 1504.					1
MUSC 3104 Advanced Concert Performance 3	4	P MUSC 2013. C MUSC 3104 and 3105 must be taken over two consecutive semesters.					1
MUSC 3105 Advanced Concert Performance 4	4	P MUSC 3104. C MUSC 3104 and 3105 must be taken over two consecutive semesters.					2
MUSC 3904 Musicology 1	4	P MUSC 2903, (except with the permission of Chair of Department). Mandatory for all BA/BMus students and as a prerequisite for Honours (BA, BA/BMus, BMus).					1
MUSC 3905 Musicology 2	4	P MUSC 3904. Mandatory prerequisite for Music IV Honours (BA/BMus or BMus).					2
MUSC 3908 Music Analysis	4	P MUSC 2903 or 2021 and MUSC 2902 or 2022.					2
MUSC 4011 Music Honours A	12	P Average credit results in senior music units totalling 32, including 4 special entry units: MUSC 2902, MUSC 2903, MUSC 3904 & MUSC 3908. N MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4024, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044. <i>NB: Department permission required for enrolment.</i>					1, 2
MUSC 4012 Music Honours B	12	C MUSC 4011. N MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4023, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.					1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
MUSC 4013 Music Honours C	12	C MUSC 4012.	N MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4023, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.				1, 2
MUSC 4014 Music Honours D	12	C MUSC 4013.	N MUSC 4021, MUSC 4022, MUSC 4023, MUSC 4023, MUSC 4031, MUSC 4032, MUSC 4033, MUSC 4034, MUSC 4041, MUSC 4042, MUSC 4043, MUSC 4044.				1, 2
■ Pali (no major available)							
PALI 1001 Pali A	6						1
PALI 1002 Pali B	6		P PALI 1001.				2
■ Performance Studies							
SSCP 1001 Performing Australia	6						1
PRFM 1801 Performance Studies Exchange	6	<i>NB: Department permission required for enrolment.</i>					1
PRFM 2001 Being There: Theories of Performance	8	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.					1
PRFM 2002 An Audience Prepares	8	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.					2
PRFM 2801 Performance Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 2802 Performance Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 2803 Performance Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 2804 Performance Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 2807 Performance Studies Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 2808 Performance Studies Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 3005 Flexible Performance	4	P PRFM 2001 & PRFM 2002.					1
PRFM 3010 The Secret Art of the Dramaturg	8	P PRFM 2001 and PRFM 2002.					2
PRFM 3016 The Playwright in the Theatre	8	P PRFM 2001 and PRFM 2002.					1
PRFM 3020 Gender and Performance	8	P PRFM 2001 and PRFM 2002. N PRFM 3013.					1
PRFM 3021 Embodied Histories	8	P PRFM 2001 and PRFM 2002.					2
PRFM 3022 Theories of Acting	8	P PRFM 2001 and PRFM 2002.					1
PRFM 3023 Intercultural Performance	4	P PRFM 2001 and PRFM 2002.					2
PRFM 3025 Anthropology of Performance	8	P PRFM 2001 and PRFM 2002. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
PRFM 3026 Playing Politics	8	P PRFM 2001 and PRFM 2002.					2
PRFM 3028 Performance: Hybridity and Appropriation	4	P PRFM 2001 & PRFM 2002.					1
PRFM 3901 Rehearsal Studies	4	P Credit results in PRFM 2001 & PRFM 2002. C PRFM 3902 and 16 credit points in PRFM 3000 level units. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
PRFM 3902 Rehearsal to Performance	4	P PRFM 3901 and credit results in PRFM 2001 and PRFM 2002. C 16 credit points in PRFM 3000 level units. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2a
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. <i>NB: Department permission required for enrolment.</i>					1, 2
PRFM 4012 Performance Studies Honours B	12	C PRFM 4011.					1, 2
PRFM 4013 Performance Studies Honours C	12	C PRFM 4012.					1, 2
PRFM 4014 Performance Studies Honours D	12	C PRFM 4013.					1, 2
■ Philosophy							
PHIL 1010 Society, Knowledge and Reason	6	N PHIL 1001 and PHIL 1002.					1
PHIL 1011 Reality, Ethics and Beauty	6	N PHIL 1003, 1004, 1006, 1008.					2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
PHIL 1012 Introductory Logic	6						2
PHIL 1016 Mind and Morality HSC	6						Summer
PHIL 1801 Philosophy Exchange	6	<i>NB: Department permission required for enrolment.</i>					1, 2
PHIL 2000 Twentieth Century Philosophy	8	P 12 Junior credit points in Philosophy.					1
PHIL 2004 Descartes and Continental Philosophy	8	P 12 Junior credit points in Philosophy. N PHIL 3004.					1, Summer
PHIL 2005 Locke and Empiricism	8	P 12 Junior credit points in Philosophy. N PHIL 3005.					2
PHIL 2013 Plato and Aristotle	8	P 12 Junior credit points in Philosophy. N PHIL 3013.					2, Summer
PHIL 2203 Elementary Logic	8	P 12 junior credit points in Philosophy. N PHIL 1012, 3203, 2201, 3201.					2
PHIL 2211 Problems of Empiricism	8	P 12 Junior credit points in Philosophy. N PHIL 3211.					1
PHIL 2213 Philosophy of Mind	8	P 12 Junior credit points in Philosophy. N PHIL 3213. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
PHIL 2215 Intermediate Logic	8	P 12 Junior credit points in Philosophy, and PHIL 1012 or PHIL 2203. N PHIL 3215.					2
PHIL 2216 Epistemology 2	8	P 12 Junior credit points of Philosophy.					1
PHIL 2217 Construction and Deconstruction	8	P 12 Junior credit points in Philosophy. N PHIL 3217 and PHIL 2409.					1, Summer
PHIL 2219 Philosophy of Mathematics	8	P 12 Junior credit points in Philosophy. N PHIL 3219.					2
PHIL 2239 Heidegger's Phenomenology	8	P 12 Junior credit points in Philosophy.					2
PHIL 2507 Indigenous Rights	8	P 12 junior credit points in philosophy. N PHIL 3507.					2
PHIL 2510 Philosophy of Law	8	P 12 Junior credit points in Philosophy. N PHIL 3510.					1
PHIL 2512 History of Ethics	8	P 12 Junior credit points in Philosophy. N PHIL 3512.					1
PHIL 2513 Moral Psychology	8	P 12 Junior credit points in Philosophy. N PHIL 3513. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					1
PHIL 2515 Hannah Arendt	8	P 12 Junior credit points in Philosophy.					2
PHIL 2516 Spinoza's Ethics	8	P 12 Junior credit points in Philosophy. N PHIL 2010.					1
PHIL 2517 Practical Ethics	8	P 12 Junior credit points in Philosophy or with permission of Lecturer / Chair of Department.					2
PHIL 2533 Theories of Modernity 1	8	P 12 junior credit points in Philosophy. N PHIL 1007.					1
PHIL 2535 Contemporary Political Philosophy	8	P 12 Junior credit points in Philosophy. N PHIL 3535. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>					2
PHIL 2801 Philosophy Exchange	8	P 12 Junior credit points in Philosophy. <i>NB: Department permission required for enrolment.</i>					1, 2
PHIL 2802 Philosophy Exchange	8	P 12 Junior credit points in Philosophy. <i>NB: Department permission required for enrolment.</i>					1, 2
PHIL 2803 Philosophy Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
PHIL 2807 Philosophy Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
PHIL 2808 Philosophy Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
PHIL 3011 Kant	8	P 16 Senior credit points in Philosophy. N PHIL 3021.					1
PHIL 3012 Origins of Analytic Philosophy	8	P 16 Senior credit points in Philosophy. N PHIL 3022.					1
PHIL 3038 Hegel	8	P 16 Senior credit points in Philosophy. N PHIL 3509.					1
PHIL 3212 Philosophy of Modern Physics	8	P 16 senior credit points in Philosophy. N PHIL 3223.					2
PHIL 3216 Conditionals	8	P 16 Senior credit points in Philosophy. N PHIL 3220.					1
PHIL 3218 Pre-Honours Seminar	8	P 24 Senior credit points in Philosophy.					2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
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 (PHIL 3218), 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. <i>NB: Department permission required for enrolment.</i>	1, 2
PHIL 4012 Philosophy Honours B	12	C PHIL 4011.	1, 2
PHIL 4013 Philosophy Honours C	12	C PHIL 4012.	1, 2
PHIL 4014 Philosophy Honours D	12	C PHIL 4013.	1, 2
■ Studies in Religion			
RLST 1002 Introduction to History of Religions (B)	6		1
RLST 1004 New Religious Movements	6	C RLST 1002.	2
RLST 1801 Religious Studies Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2
RLST 2002 Myth and Religion of the Celts	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	2
RLST 2005 Christianity and the Medieval World	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	2
RLST 2009 Buddhism	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
RLST 2011 Monotheism: Judaism and Islam	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
RLST 2012 Dualism: Zoroaster, Gnosis & Manichaeism	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	2
RLST 2013 Philosophy-Religion(A)-Existence of God	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	2
RLST 2020 Contemporary Religion and Politics	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	1
RLST 2023 Meditation and Spiritual Practice	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	2
RLST 2025 Religion and the Arts	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	1
RLST 2026 Witchcraft, Paganism and the New Age	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	1
RLST 2027 Religion in Multicultural Australia	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Summer
RLST 2028 Religion and Film	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	1
RLST 2801 Religious Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
RLST 2802 Religious Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
RLST 2803 Religious Studies Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
RLST 2807 Religious Studies Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
RLST 2808 Religious Studies Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
RLST 4011 Religious Studies Honours A	12	P Credit average in 32 senior credit points of Studies in Religion. <i>NB: Department permission required for enrolment.</i>	1, 2
RLST 4012 Religious Studies Honours B	12	C RLST 4011.	1, 2
RLST 4013 Religious Studies Honours C	12	C RLST 4012.	1, 2
RLST 4014 Religious Studies Honours D	12	C RLST 4013.	1, 2
■ Russian			
RSSN 1003 Introductory Russian 1	6		1
RSSN 1004 Introductory Russian 2	6	P RSSN 1003.	2
RSSN 2001 Intermediate Russian 1	8	P RSSN 1004.	1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
RSSN 2002 Intermediate Russian 2	8		P RSSN 2001.				2
RSSN 2801 Russian Exchange	8						1, 2
RSSN 2802 Russian Exchange	8						1, 2
RSSN 3801 Russian Exchange	8						1, 2
RSSN 3802 Russian Exchange	8						1, 2
■ Sanskrit							
SANS 1001 Sanskrit Introductory 1	6						1
SANS 1002 Sanskrit Introductory 2	6		P SANS 1001.				2
SANS 2001 Sanskrit Intermediate 1	8		P SANS 1002.				1
SANS 2002 Sanskrit Intermediate 2	8		P SANS 2001.				2
SANS 2901 Sanskrit Research Preparation 1	4		P Credit result in SANS 1002. C SANS 2001.				1
SANS 2902 Sanskrit Research Preparation 2	4		P SANS 2901, Credit result in SANS 2001. C SANS 2002.				2
SANS 3001 Sanskrit Advanced 1	8		P SANS 2002.				1
SANS 3002 Sanskrit Advanced 2	8		P SANS 3001.				2
SANS 3901 Sanskrit Research Preparation 3	4		P Credit result in SANS 2002, SANS 2901, SANS 2902. C SANS 3001.				1
SANS 3902 Sanskrit Research Preparation 4	4		P SANS 3901, Credit result in SANS 3001. C SANS 3002.				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.				1, 2
SANS 4002 Sanskrit IV Honours B	12		C SANS 4001.				1, 2
SANS 4003 Sanskrit IV Honours C	12		C SANS 4002.				1, 2
SANS 4004 Sanskrit IV Honours D	12		C SANS 4003.				1, 2
■ Social Policy							
SCPL 3001 Australian Social Policy	8		P 16 Senior level Sociology credit points chosen from the following four units: Sociological Theory SCLG 2520, Social Inquiry: Research Methods SCLG 2521, Social Inequality in Australia SCLG 2529 or Comparative Sociology of Welfare States SCLG 2509.				1
SCPL 3002 Principles of Social Policy	8		P SCPL 3001.				2
■ Social Sciences							
SSCI 1001 Social Political and Economic Thought	6						1
SSCI 2002 Social, Political and Economic Thought 2	8		P SSCI 1001 or SSCI 2001. NB: Bachelor of Social Sciences only.				2
SSCI 3001 Social Sciences Internship	16		P SSCI 1001 or SSCI 2001, SSCI 2002. NB: Bachelor of Social Sciences only.				1, 2
SSCI 3002 Internship Research Paper	8		P SSCI 1001 or SSCI 2001, SSCI 2002. C SSCI 3001. NB: Bachelor of Social Sciences only.				1, 2
■ Sociology							
SCLG 1001 Introduction to Sociology 1	6						1, Summer
SCLG 1002 Introduction to Sociology 2	6						2
SCLG 1801 Sociology Exchange	6						1, 2
SCLG 2501 Contemporary Cultural Issues	8		P SCLG 1001 and SCLG 1002.				2
SCLG 2504 Science, Technology and Social Change	8		P SCLG 1001 and SCLG 1002.				2, Summer
SCLG 2509 Comparative Sociology of Welfare States	8		P SCLG 1001 and SCLG 1002. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.				2
SCLG 2510 Self and Society	8		P SCLG 1001 and SCLG 1002.				2
SCLG 2520 Sociological Theory	8		P SCLG 1001 and SCLG 1002. N Students may not enrol in SCLG 2520 if they have previously completed SCLG 2001 Sociological Theory.				1

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
SCLG 2521 Social Inquiry: Research Methods	8	P SCLG 1001 and SCLG 1002 or SCWK 2003. N Students may not enrol in SCLG 2521 if they have previously completed SCLG 2002 Social Inquiry: Research Methods in Sociology.	2
SCLG 2522 Sociology of Childhood and Youth	8	P SCLG 1001 and SCLG 1002.	2
SCLG 2523 Social Construction of Difference	8	P SCLG 1001 and SCLG 1002. N Students may not enrol in SCLG 2523 if they have previously completed SCLG 2004 Sociology of Deviance.	1
SCLG 2525 Madness, Difference and Normality	8	P SCLG 1001 and SCLG 1002. N Students may not enrol in SCLG 2525 if they have previously completed SCLG 2006 Sociology of Mental Illness.	2
SCLG 2526 Sociology of Health and Illness	8	P SCLG 1001 & SCLG 1002.	1
SCLG 2529 Social Inequality in Australia	8	P SCLG 1001 and SCLG 1002. N Students may not enrol in SCLG 2529 if they have previously completed SCLG 2010 Social Inequality in Australia. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
SCLG 2535 Law and Social Theory	8	P SCLG 1001 and SCLG 1002.	2
SCLG 2536 Social Justice Law and Society	8	P SCLG 1001 and SCLG 1002. N Students may not enrol in SCLG 2536 if they have previously completed SCLG 2017 Social Justice Law and Society. <i>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	1
SCLG 2537 Media in Contemporary Society	8	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 Students may not enrol in SCLG 2537 if they have previously completed SCLG 2018 Media in Contemporary Society.	1
SCLG 2560 Global Transformations	8	P SCLG 1001 and SCLG 1002.	2
SCLG 2801 Sociology Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
SCLG 2802 Sociology Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
SCLG 2803 Sociology Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
SCLG 2807 Sociology Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
SCLG 2808 Sociology Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
SCLG 3002 Contemporary Sociological Theory	8	P SCLG 1001 and SCLG 1002.	1
SCLG 3003 Empirical Sociological Methods	8	P SCLG 1001 and SCLG 1002.	2
SCLG 4011 Sociology Honours A	12	P Credit average in 32 credit points of Senior level Sociology. <i>NB: Department permission required for enrolment.</i>	1, 2
SCLG 4012 Sociology Honours B	12	C SCLG 4011.	1, 2
SCLG 4013 Sociology Honours C	12	C SCLG 4012.	1, 2
SCLG 4014 Sociology Honours D	12	C SCLG 4013.	1, 2
■ Spanish			
SPAN 1001 Introductory Spanish 1	6	N Not to be taken by students with prior knowledge of Spanish.	1, Summer
SPAN 1002 Introductory Spanish 2	6	P SPAN 1001. <i>NB: Students with some limited prior knowledge of Spanish who are ineligible for SPAN 1001 may apply to enter SPAN 1002 with advanced standing. Consult SLC office.</i>	2
SPAN 2001 Intermediate Spanish 1	8	P SPAN 1002. <i>NB: Students with prior knowledge of Spanish who are ineligible for SPAN 1001/2 may apply to enter SPAN 2001 with advanced standing. Consult SLC office.</i>	1
SPAN 2002 Intermediate Spanish 2	8	P SPAN 2001.	2
SPAN 3801 Spanish Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
SPAN 3802 Spanish Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
SPAN 3803 Spanish Exchange	8	<i>NB: Department permission required for enrolment.</i>	1, 2
SPAN 3806 Spanish Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
SPAN 3807 Spanish Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
SPAN 3808 Spanish Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2

Table of units of study (Part A) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
SPAN 3809 Spanish Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
■ Thai							
THAI 1103 Thai Introductory Written 1	3	A Proficiency in spoken Thai equivalent to that attained in THAI 1105. N THAI 1105.					1
THAI 1104 Thai Introductory Written 2	3	A Proficiency in spoken Thai equivalent to that attained in THAI 1106, plus limited knowledge of written Thai. P THAI 1103 or department permission. N THAI 1106.					2
THAI 1105 Introductory Thai 1	6	N THAI 1101, THAI 1103.					1
THAI 1106 Introductory Thai 2	6	P THAI 1105 or THAI 1101 plus THAI 1103 or department permission. N THAI 1102, THAI 1104.					2
THAI 2101 Thai Intermediate 1	8	P THAI 1104 or THAI 1106 or department permission.					1
THAI 2102 Thai Intermediate 2	8	P THAI 2101 or departmental permission.					2
THAI 3101 Thai Advanced 1	8	P THAI 2102 or department permission.					1
THAI 3102 Thai Advanced 2	8	P THAI 3101 or department permission.					2
■ Yiddish							
YDDH 1101 Yiddish B1	6						1
YDDH 1102 Yiddish B2	6	P YDDH 1101.					2
YDDH 2103 Yiddish B3	8	P YDDH 1102.					1
YDDH 2104 Yiddish B4	8	P YDDH 2103.					2
YDDH 3105 Yiddish B5	8	P YDDH 2104.					1
YDDH 3106 Yiddish B6	8	P YDDH 3105.					2

Table of units of study (Part B)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Biological Sciences							
BIOL 1001 Concepts in Biology	6	A No previous knowledge required. Students who have not taken HSC biology are recommended to take the Biology Bridging Course. N BIOL (1101 or 1901 or 1500).					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 BIOL (1902 or 1500).					2
BIOL 1003 Human Biology	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 BIOL (1903 or 1500) or EDUH 1016.					2, Summer
BIOL 1101 Biology – Ecosystems to Genes	6	P HSC 2-unit Biology or equivalent. N BIOL(1001 or 1901 or 1500).					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 or 1500). <i>NB: Department permission required for enrolment.</i>					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 or 1500). <i>NB: Department permission required for enrolment.</i>					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 May not be counted with BIOL (1003 or 1904 or 1905 or 1500) or EDUH 1016. <i>NB: Department permission required for enrolment.</i>					2
BIOL 2001 Invertebrate Zoology	8	P 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. Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). N May not be counted with BIOL (2101 or 2901). <i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.</i>					1

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
BIOL 2002 Vertebrates and their Origins	8	<p>P 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.</p> <p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>N BIOL (2102 or 2902).</p> <p><i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.</i></p>	2
BIOL 2003 Plant Anatomy and Physiology	8	<p>P BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>N BIOL 2903.</p> <p><i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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.</i></p>	2
BIOL 2004 Plant Ecology and Diversity	8	<p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or LWSC 1002 or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>C MICR 2013 for BLWSc.</p> <p>N BIOL 2904.</p> <p><i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. The content of Biology (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.</i></p>	1
BIOL 2006 Cell Biology	8	<p>P 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.</p> <p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>N BIOL (2106 or 2906).</p> <p><i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i></p>	1
BIOL 2007 Entomology Introductory	8	<p>P 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.</p> <p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p><i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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. See prerequisites for Senior units of study in Biology.</i></p>	2
BIOL 2101 Invertebrate Zoology – Theory	4	<p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or LWSC 1002 or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>N BIOL (2001, 2901).</p> <p><i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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. BIOL 2101 is not a prerequisite for Senior units of study in Biology.</i></p>	1
BIOL 2102 Vertebrates and their Origins – Theory	4	<p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or LWSC 1002 or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>N BIOL (2002, 2902).</p> <p><i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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. Not a prerequisite for Senior units of study in Biology.</i></p>	2
BIOL 2106 Cell Biology – Theory	4	<p>P 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.</p> <p>Q BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903 or 1904) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)).</p> <p>N BIOL (2006 or 2906).</p> <p><i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i></p>	1
BIOL 2901 Invertebrate Zoology (Advanced)	8	<p>P 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.</p> <p>Q Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer.</p> <p>N BIOL (2001 or 2101).</p> <p><i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.</i></p>	1
BIOL 2902 Vertebrates and their Origins (Advanced)	8	<p>P 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.</p> <p>Q Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer.</p> <p>N BIOL (2002 or 2102).</p> <p><i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.</i></p>	2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
BIOL 2903 Plant Anatomy and Physiology (Advanced)	8	Q Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N BIOL 2003. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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.</i>	2
BIOL 2904 Plant Ecology and Diversity (Advanced)	8	Q Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N BIOL 2004. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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.</i>	1
BIOL 2906 Cell Biology (Advanced)	8	P 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. Q Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N BIOL (2006 or 2106). <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1
BIOL 3011 Ecophysiology	6	P 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). N BIOL 3911. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1a
BIOL 3012 Animal Physiology	6	P 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). N May not be counted with BIOL 3912. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1b
BIOL 3013 Marine Biology	6	A MARS 2002. P 16 credit points of Intermediate Biology, including BIOL (2001 or 2002 or 2003 or 2004 or 2901 or 2902 or 2903 or 2904). N May not be counted with BIOL 3913. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1b
BIOL 3014 Biology of Terrestrial Vertebrates	6	P 16 credit points of Intermediate Biology. N May not be counted with BIOL 3914. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1a
BIOL 3015 Plant Systematics and Biogeography	6	P 16 credit points of Intermediate Biology including BIOL (2004 or 2904). N May not be counted with BIOL 3915. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1b
BIOL 3017 Fungal Biology	6	P 16 credit points of Intermediate Biology, or 8 credit points of Intermediate Biology and 8 Intermediate credit points of either Microbiology or Geography, or their equivalent. N May not be counted with BIOL 3917. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	1a
BIOL 3021 Plant Development	6	P 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). N BIOL 3931. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	2a
BIOL 3022 Plant Physiology	6	P 16 credit points of Intermediate Biology including BIOL (2003 or 2006 or 2903 or 2906). N BIOL 3932. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	2b
BIOL 3023 Ecological Methods	6	P 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2002 or 2902 or 2004 or 2904). N May not be counted with BIOL 3923. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>	2a
BIOL 3025 Evolutionary Genetics & Animal Behaviour	6	P 16 credit points from MBLG (2001 or 2901 or 2002 or 2902) and Intermediate Biology units. For BMedSc students 32 credit points of Intermediate BMED units including BMED 2502. N BIOL (3925 or 3928).	2a
BIOL 3026 Developmental Genetics	6	P MBLG (2001 or 2901 or 2002 or 2902) or 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. N BIOL (3926 or 3929).	2b
BIOL 3027 Bioinformatics and Genomics	6	P MBLG (2001 or 2101 or 2901) or 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2004 or 2904 or 2006 or 2906). For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. N BIOL 3927.	1b
BIOL 3040 Marine Ecology	6	P 16 credit points of Intermediate Biology. C BIOL (3023 or 3923). N BIOL 3940. <i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.</i>	2b
BIOL 3041 Terrestrial Ecology	6	P BIOL (2001 or 2901) and BIOL (2002 or 2902). C BIOL (3023 or 3923). N BIOL 3931. <i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.</i>	2b
BIOL 3042 Plant Ecology	6	P 16 credit points of Intermediate Biology including BIOL (2004 or 2904). C BIOL (3023 or 3923). N BIOL 3942.	2b

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
BIOL 3911 Ecophysiology (Advanced)	6	P Distinction average in 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N May not be counted with BIOL 3011. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					1a
BIOL 3912 Animal Physiology (Advanced)	6	P Distinction average in 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N May not be counted with BIOL 3012. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					1b
BIOL 3913 Marine Biology (Advanced)	6	A MARS 2002. P Distinction average in 16 credit points of Intermediate Biology including BIOL (2001 or 2002 or 2003 or 2004 or 2901 or 2902 or 2903 or 2904). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N May not be counted with BIOL 3013. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					1b
BIOL 3914 Biology of Terrestrial Vertebrates (Adv)	6	P Distinction average in 16 credit points of Intermediate Biology. These requirements may be varied and students with lower averages should consult the unit Executive Officer. N May not be counted with BIOL 3014. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					1a
BIOL 3915 Plant Systematics and Biogeography (Adv)	6	P Distinction average in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N May not be counted with BIOL 3015. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					1b
BIOL 3917 Fungal Biology (Advanced)	6	P Distinction average in 16 credit points of Intermediate Biology, or 8 credit points of Intermediate Biology and 8 Intermediate credit points of either Microbiology or Geography, or their equivalent. N May not be counted with BIOL 3017. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					1a
BIOL 3923 Ecological Methods (Advanced)	6	P Distinction average in BIOL (2001 or 2901) and (2002 or 2902), or in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). N May not be counted with BIOL 3023. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					2a
BIOL 3925 Evolutionary Gen. & Animal Behaviour Adv	6	P Distinction average in 16 credit points from MBLG (2001 or 2901 or 2002 or 2902) and Intermediate Biology units. For BMedSc students 32 credit points of Intermediate BMED units including distinction in BMED 2502. These requirements may be varied and students with lower averages should consult the unit Executive Officer. N BIOL (3025 or 3928).					2a
BIOL 3926 Developmental Genetics (Advanced)	6	P Distinction average in MBLG (2001 or 2901 and 2002 or 2902) or in 16 credit points of Intermediate Biology. For BMedSc students 32 credit points of Intermediate BMED units including Distinction in BMED 2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. N BIOL (3026 or 3929).					2b
BIOL 3927 Bioinformatics and Genomics (Advanced)	6	P Distinction in MBLG (2001 or 2101 or 2901) or Distinction average in 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2004 or 2904 or 2006 or 2906). For BMedSc students: 32 credit points of Intermediate BMED units including Distinction in BMED 2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. N BIOL 3027.					1b
BIOL 3931 Plant Development (Advanced)	6	P Distinction average in 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). These requirements may be varied and students with lower averages should consult the unit Executive Officer. N May not be counted with BIOL 3021. <i>NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.</i>					2a
BIOL 3940 Marine Ecology (Advanced)	6	P Distinction average in 16 credit points of Intermediate Biology. C BIOL (3023 or 3923). N BIOL 3040. <i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.</i>					2b
BIOL 3941 Terrestrial Ecology (Advanced)	6	P Distinction average in BIOL (2001 or 2901) and (2002 or 2902),. C BIOL (3023 or 3923). N BIOL 3041. <i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.</i>					2b
BIOL 3942 Plant Ecology (Advanced)	6	P Distinction average in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). C BIOL (3023 or 3923). N BIOL 3042. <i>NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.</i>					2b
MBLG 2001 Molecular Biology and Genetics A	8	P 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901) except for students co-enrolled in BCHM 2011, or with permission of the unit Coordinator. For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF. N AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2101 or 2901).					1, Summer
MBLG 2002 Molecular Biology and Genetics B	8	P MBLG 2001 or MBLG 2901. N BIOL 2105 or MBLG 2102 or 2902.					2
MBLG 2101 Molecular Biology & Genetics A (Theory)	4	P 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901). N AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2001 or 2901).					1, Summer
MBLG 2102 Molecular Biology & Genetics B (Theory)	4	P MBLG 2001 or 2101. N BIOL (2005, 2105 or 2905), or MBLG (2002 or 2902).					2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
MBLG 2111 Molecular Biology & Genetics A (Lab)	4	P MBLG 2101. N MBLG (2001 or 2901). <i>NB: This unit is available to students who have completed MBLG 2101 in the summer school.</i>					1
MBLG 2901 Molecular Biology and Genetics A (Adv)	8	P 12 credit points of Junior Chemistry and BIOL (1001 or 1901) except for students co-enrolled in BCHM 2011. For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF. Also required is a Distinction or better in one of the prerequisite units of study. N AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2001 or 2101).					1
MBLG 2902 Molecular Biology and Genetics B (Adv)	8	P Distinction or better in MBLG (2001 or 2901). This requirement may be varied and students with lower marks should consult the unit Executive Officer. N BIOL (2005 or 2105 or 2905 or MBLG 2002 or 2102).					2
■ Chemistry							
CHEM 1001 Fundamentals of Chemistry 1A	6	A There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. N May not be counted with CHEM 1101 or 1901 or 1903 or 1905 or 1906 or 1909.					1
CHEM 1002 Fundamentals of Chemistry 1B	6	P CHEM (1001 or 1101) or equivalent. N May not be counted with CHEM (1102 or 1902 or 1904 or 1907 or 1908).					2
CHEM 1101 Chemistry 1A	6	A HSC Chemistry and Mathematics. C Recommended concurrent units of study: 6 credit points of Junior Mathematics. N May not be counted with CHEM (1001 or 1901 or 1903 or 1905 or 1906 or 1909).					1, 2, Summer
CHEM 1102 Chemistry 1B	6	Q CHEM 1101 or a Distinction in CHEM 1001 or 1901 or equivalent. C Recommended concurrent units of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903). N CHEM (1002 or 1902 or 1904 or 1907 or 1908).					1, 2, Summer
CHEM 1901 Chemistry 1A (Advanced)	6	P 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. C Recommended concurrent unit of study: 6 credit points of Junior Mathematics. N May not be counted with CHEM (1001 or 1101 or 1903 or 1905 or 1906 or 1909). <i>NB: Department permission required for enrolment.</i>					1
CHEM 1902 Chemistry 1B (Advanced)	6	Q CHEM (1901 or 1903) or Distinction in CHEM 1101 or equivalent. C Recommended concurrent unit of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903). N May not be counted with CHEM (1002 or 1102 or 1904 or 1907 or 1908). <i>NB: Department permission required for enrolment. Entry is by invitation.</i>					2
CHEM 2001 Chemistry 2 (Life Sciences)	8	P 6 credit points of Junior Mathematics. Q CHEM (1102 or 1902 or 1904 or 1909). N May not be counted with CHEM (2101 or 2301 or 2901 or 2903 or 2311 or 2312 or 2502).					1
CHEM 2101 Chemistry 2 (Environmental)	8	P 6 credit points of Junior Mathematics. Q CHEM (1102 or 1902 or 1904 or 1909). N May not be counted with CHEM (2001 or 2301 or 2901 or 2903 or 2311 or 2312 or 2502).					1
CHEM 2301 Chemistry 2A	8	P 6 credit points of Junior Mathematics. Q CHEM (1102 or 1902 or 1904 or 1909 or 1612). N May not be counted with CHEM (2001 or 2101 or 2901 or 2903 or 2311 or 2312 or 2502).					1
CHEM 2302 Chemistry 2B	8	P 6 credit points of Junior Mathematics. Q CHEM (1102 or 1902 or 1904 or 1909 or 1612). N May not be counted with CHEM (2202 or 2902).					2
CHEM 2901 Chemistry 2A (Advanced)	8	P 6 credit points of Junior Mathematics. Q WAM greater than 80 and Distinction average in CHEM (1101 or 1901 or 1903) and in Chemistry (1102 or 1902 or 1904 or 1909). N May not be counted with CHEM (2001 or 2101 or 2301 or 2903 or 2311 or 2312 or 2502). <i>NB: Department permission required for enrolment. Entry to this unit of study is by invitation. Students in the Faculty of Science Talented Students Program are automatically eligible.</i>					1
CHEM 2902 Chemistry 2B (Advanced)	8	P 6 credit points of Junior Mathematics. Q WAM greater than 80 and Distinction average in CHEM (1101 or 1901 or 1903) and CHEM (1102 or 1902 or 1904 or 1909). N May not be counted with CHEM (2202 or 2302). <i>NB: Department permission required for enrolment. Entry is by invitation.</i>					2
CHEM 3100 Chemistry of the Main Group	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3190.					1
CHEM 3103 Organometallic and Catalytic Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3193.					1
CHEM 3104 Symmetry and Vibrational Spectra	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3194, CHEM 3304 or CHEM 3394.					1

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
CHEM 3105 Biol/Environ Transition Metal Chem	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3195.	2
CHEM 3106 Inorganic Materials Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3196.	2
CHEM 3107 Forensic and Analytical Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3197.	2
CHEM 3108 Supramolecular Materials	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups (1 or 2) and 3. N CHEM 3198.	2
CHEM 3109 Transition Metal Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3199.	1
CHEM 3190 Chemistry of the Main Group (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3100.	1
CHEM 3193 Organometallic and Catalytic Chem (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3103.	1
CHEM 3194 Symmetry and Vibrational Spectra (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3104, CHEM 3304 or CHEM 3394.	1
CHEM 3195 Biol/Environ Transition Metal Chem (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3105.	2
CHEM 3196 Inorganic Materials Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3106.	2
CHEM 3197 Forensic and Analytical Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3107.	2
CHEM 3198 Supramolecular Materials (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups (1 or 2) and 3. N CHEM 3108.	2
CHEM 3199 Transition Metal Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. N CHEM 3109.	1
CHEM 3200 Stereochemistry and Mechanisms	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3290.	1
CHEM 3203 Bioorganic Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3293.	1
CHEM 3204 Heterocyclic Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3294.	2
CHEM 3205 Medicinal and Biological Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3295.	2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
CHEM 3206 Radical and Pericyclic Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3296.	2
CHEM 3207 Synthetic Methods	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3297.	2
CHEM 3208 Supramolecular Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3298, CHEM 3108 or CHEM 3198.	N/A in 2004
CHEM 3209 Organic Structures From Spectra	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002, for students enrolled in B.Sci.(MOBT) – MOBT 2001, MOBT 2002, CHEM 2311 and CHEM 2312. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3 except for students in B.Sci.(MOBT) for whom the corequisite is CHEM 3401. N CHEM 3299.	1
CHEM 3290 Stereochemistry and Mechanisms (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3200.	1
CHEM 3293 Bioorganic Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3203.	1
CHEM 3294 Heterocyclic Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3204.	2
CHEM 3295 Medicinal and Biological Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3205.	2
CHEM 3296 Radical and Pericyclic Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3206.	2
CHEM 3297 Synthetic Methods (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. N CHEM 3207.	2
CHEM 3299 Organic Structures From Spectra (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002, for students enrolled in B.Sci.(MOBT) – MOBT 2001, MOBT 2002, CHEM 2311 and CHEM 2312. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3 except for students in B.Sci.(MOBT) for whom the corequisite is CHEM 3401. N CHEM 3209.	1
CHEM 3301 Quantum Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3391.	1
CHEM 3302 Chemical Dynamics	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3392.	1
CHEM 3303 Surfaces and Colloids	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3393.	1
CHEM 3305 Atmospheric and Photochemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3395.	2
CHEM 3306 Biophysical Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3396.	2
CHEM 3307 Polymer Chemistry	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3397.	2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
CHEM 3308 Physical Chemistry of Materials	3	P CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3398.	2
CHEM 3391 Quantum Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3301.	1
CHEM 3392 Chemical Dynamics (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3302.	1
CHEM 3393 Surfaces and Colloids (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3303.	1
CHEM 3395 Atmospheric and Photochemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3305.	2
CHEM 3396 Biophysical Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3306.	2
CHEM 3397 Polymer Chemistry (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3307.	2
CHEM 3398 Physical Chemistry of Materials (Adv)	3	P Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). C Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. N CHEM 3308.	2
■ Computer Science			
COMP 2003 Languages and Logic	4	Q [SOFT (1002 or 1902) or COMP (1002 or 1902)] and MATH (1004 or 1904 or 2009 or 2011) or ELEC 1101. N COMP 2903.	2
COMP 2111 Algorithms 1	4	Q SOFT (1002 or 1902) or COMP (1002 or 1902). C MATH (1004 or 1904 or 2009 or 2011). N May not be counted with COMP (2811 or 2002 or 2902).	1
COMP 2811 Algorithms 1 (Advanced)	4	Q [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. C MATH (1004 or 1904 or 2009 or 2011). N May not be counted with COMP (2111 or 2002 or 2902).	1
COMP 2903 Languages and Logic (Advanced)	4	Q [SOFT (1002 or 1902) or COMP (1002 or 1902)] and MATH (1004 or 1904 or 2009 or 2011) or ELEC 1101 and Distinction in one COMP, SOFT or MATH unit of study. N COMP 2003.	2
COMP 3002 Artificial Intelligence	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and COMP (2003 or 2903) and 8 credit points 2000-level MATH and/or STAT and/or ECMT. N May not be counted with COMP 3902.	1
COMP 3111 Algorithms 2	4	A MATH 2009. P COMP (2111 or 2811 or 2002 or 2902) and MATH (1004 or 1904 or 2009 or 2011) and MATH (1005 or 1905). N May not be counted with COMP (3811 or 3001 or 3901).	1
COMP 3811 Algorithms 2 (Advanced)	4	P COMP (2002 or 2902 or 2111 or 2811) and MATH (1004 or 1904 or 2009 or 2011) and MATH (1005 or 1905). Also Distinction in a COMP, SOFT or MATH intermediate unit. N COMP (3111 or 3001 or 3901).	1
COMP 3902 Artificial Intelligence (Advanced)	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and COMP (2003 or 2903) and 8 credit points 2000-level MATH and/or STAT and/or ECMT and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. N May not be counted with COMP 3002.	1
COMP 4301 Algorithms (Advanced Topic)	4	P Credit in COMP 3001. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>	1, 2
COMP 4302 Artificial Intelligence (Advanced Topic)	4	P Credit in COMP 3002. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>	1, 2
COMP 4304 Graphics (Advanced Topic)	4	P Credit in COMP 3004. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>	1, 2
COMP 4305 Networked Systems (Advanced Topic)	4	P Credit in COMP 3007. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>	1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
COMP 4307 Distributed Systems (Advanced Topic)	4	P Credit in COMP 3007 or Credit in COMP 3009. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>					1, 2
COMP 4309 Object-Oriented Systems (Advanced Topic)	4	P Credit in COMP 3008. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>					1, 2
COMP 4601 Advances in Computer Science 1	4	P Permission of Head of Department. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>					1, 2
COMP 4602 Advances in Computer Science 2	4	P Permission of Head of Department. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>					1, 2
COMP 4603 Advances in Computer Science 3	4	P Permission of Head of Department. <i>NB: Department permission required for enrolment. This unit may be available in February or July semester; it may not always be offered.</i>					1, 2
INFO 2000 Systems Analysis and Design	4	Q ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901). N May not be counted with INFO 2900.					1, Summer
INFO 2005 Database Management, Introductory	4	Q ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901). N May not be counted with INFO 2905.					2
INFO 2900 System Analysis and Design Advanced	4	Q ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one INFO, ISYS or SOFT unit. N May not be counted with INFO 2000.					1
INFO 2905 Database Management, Introductory (Adv)	4	Q ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one INFO, ISYS or SOFT unit. N May not be counted with INFO 2005.					2
INFO 3005 Organisational Database Systems	4	P INFO (2000 or 2900) and INFO (2005 or 2905). N May not be counted with INFO 3905 or COMP (3005 or 3905).					1
INFO 3905 Organisational Database Systems (Adv)	4	P INFO (2000 or 2900) and INFO (2005 or 2905) and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. N May not be counted with COMP (3005 or 3905) or INFO 3005.					1
MULT 3004 Computer Graphics	4	P COMP (2111 or 2811 or 2002 or 2902) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902). N May not be counted with MULT 3904 or COMP (3004 or 3904).					2
MULT 3018 Multimedia Interaction	4	P SOFT (2004 or 2904) or COMP (2004 or 2904). N May not be counted with MULT 3918.					1
MULT 3019 Digital Media	4	P COMP (2111 or 2811 or 2002 or 2902) and MATH (1001 or 1901) and MATH (1002 or 1902) and MATH (1003 or 1903). N May not be counted with MULT 3919.					1
MULT 3904 Computer Graphics (Advanced)	4	P COMP (2111 or 2811 or 2002 or 2902) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902) and Distinction in a MULT or SOFT unit at 2000-level or above. N May not be counted with MULT 3004 or COMP (3004 or 3904).					2
MULT 3918 Multimedia Interaction (Advanced)	4	P SOFT (2004 or 2904) or COMP (2004 or 2904) and Distinction in a MULT or SOFT unit at 2000-level or above. N May not be counted with MULT 3018.					1
MULT 3919 Digital Media (Advanced)	4	P COMP (2111 or 2811 or 2002 or 2902) and MATH (1001 or 1901) and MATH (1002 or 1902) and MATH (1003 or 1903) and Distinction in a MULT or SOFT unit at 2000-level or above. N May not be counted with MULT 3019.					1
NETS 2008 Computer System Organisation	4	Q SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)]. N May not be counted with NETS 2908 or COMP (2001 or 2901).					1
NETS 2009 Network Organisation	4	Q SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)]. N May not be counted with NETS 2909.					2
NETS 2908 Computer System Organisation (Adv)	4	Q SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)] and Distinction in one NETS or SOFT unit of study. N May not be counted with NETS 2008 or COMP (2001 or 2901).					1
NETS 2909 Network Organisation (Adv)	4	Q SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)] and Distinction in one NETS or SOFT unit of study. N May not be counted with NETS 2009.					2
NETS 3007 Network Protocols	4	P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). N May not be counted with NETS 3907 or COMP (3007 or 3907).					1
NETS 3009 Operating Systems	4	P [NETS (2008 or 2908) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT(2001 or 2901). N May not be counted with NETS 3909 or COMP (3009 or 3909).					2
NETS 3016 Computer and Network Security	4	A MATH (1004 and 1005). P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)]. N May not be counted with NETS 3916 or ELEC 5610.					1
NETS 3017 Network Programming and Distributed Apps	4	P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). N May not be counted with NETS 3917 or ELEC 3604.					2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
NETS 3907 Network Protocols (Advanced)	4	P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and Distinction in a NETS or SOFT unit at 2000-level or above.					1
NETS 3909 Operating Systems (Advanced)	4	P [NETS (2008 or 2908) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT(2001 or 2901) and Distinction in a NETS or SOFT unit at 2000-level or above.					2
NETS 3916 Computer and Network Security (Advanced)	4	A MATH (1004 and 1005).	P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a NETS or SOFT unit at 2000-level or above.				1
NETS 3917 Network Prog & Distributed Apps (Adv)	4	P [NETS (2008 or 2908) and NETS (2009 or 2909) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and Distinction in a NETS or SOFT unit at 2000-level or above.					2
SOFT 1001 Software Development 1	6	A HSC Mathematics Extension 1.	P May not be counted with SOFT 1901 or COMP (1001 or 1901).				1, 2, Summer
SOFT 1002 Software Development 2	6	Q SOFT (1001 or 1901) or COMP (1001 or 1901).	N May not be counted with SOFT 1902 or COMP (1002 or 1902).				1, 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).			1, 2
SOFT 1902 Software Development 2 (Adv)	6	Q 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).				1, 2
SOFT 2001 Concurrent Programming	4	Q SOFT (1002 or 1902) or COMP (1002 or 1902).	N May not be counted with SOFT 2901.				2
SOFT 2004 Software Development Methods 1	4	Q SOFT (1002 or 1902) or COMP (1002 or 1902).	N May not be counted with SOFT 2904 or COMP (2004 or 2904).				1, Summer
SOFT 2901 Concurrent Programming (Adv)	4	Q 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 May not be counted with SOFT 2001.				2
SOFT 2904 Software Development Methods 1 (Adv)	4	Q SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or any SOFT unit at 2000-level or above.	N May not be counted with SOFT 2004 or COMP (2004 or 2904).				1
SOFT 3101 Object-Oriented Software Design	4	P SOFT (2001 or 2901) and INFO (2000 or 2900) and INFO (2005 or 2905) and [SOFT (2004 or 2904) or COMP (2004 or 2904)].	N May not be counted with SOFT 3801 or COMP (3008 or 3908).				1
SOFT 3102 User Interface Design and Programming	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)].	N SOFT 3802 or COMP (3102 or 3802).				1
SOFT 3103 Software Validation and Verification	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and MATH (1005 or 1905).	N May not be counted with SOFT 3803.				2
SOFT 3104 Software Development Methods 2	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901).	N May not be counted with SOFT 3804 or COMP (3100 or 3800).				1
SOFT 3200 Software Development Project	8	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and 8 credit points from BIT table III(ii) and 8 credit points from BIT table III(iv).	N May not be counted with SOFT 3700.				1, 2
SOFT 3700 Software Development Project (Advanced)	8	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and 8 credit points from BIT table III(ii) and 8 credit points from BIT table III(iv) and Distinction in a 2000- or 3000- level unit from COMP, INFO, MULT, NETS, or SOFT.	N May not be counted with SOFT 3200.				1, 2
SOFT 3801 Object-Oriented Software Design (Adv)	4	P SOFT (2001 or 2901) and INFO (2000 or 2900) and INFO (2005 or 2905) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a SOFT or INFO unit at 2000-level or above.	N May not be counted with SOFT 3101 or COMP (3008 or 3908).				1
SOFT 3802 User Interface Design Programming (Adv)	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a SOFT or INFO unit at 2000-level or above.	N SOFT 3102 or COMP (3102 or 3802).				1
SOFT 3803 Software Validation & Verification (Adv)	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and MATH (1005 or 1905) and Distinction in a SOFT or INFO unit at 2000-level or above.	N May not be counted with SOFT 3103.				2
SOFT 3804 Software Development Methods 2 (Adv)	4	P [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and Distinction in a SOFT or INFO unit at 2000-level or above.	N May not be counted with SOFT 3104 or COMP (3100 or 3800).				1
■ Economics							
ECON 1001 Introductory Microeconomics	6	A Mathematics.					1, Summer
ECON 1002 Introductory Macroeconomics	6	A Mathematics.					2, Summer

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ECON 2001 Intermediate Microeconomics	8	P ECON 1001. C ECMT 1010 or 101X. N ECON 2901. <i>NB: Certain combinations of Maths/Stats may substitute for Econometrics – consult the Chair of the Discipline of Economics.</i>					1, Summer
ECON 2002 Intermediate Macroeconomics	8	P ECON 1002. C ECMT 1020 or 102X. N ECON 2902. <i>NB: Certain combinations of Maths/Stats may substitute for Econometrics – consult the Chair of the Discipline of Economics.</i>					2, Summer
ECON 2101 Economics Exchange	8	P ECON 1001 and ECON 1002. <i>NB: Department permission required for enrolment.</i>					1, 2
ECON 2102 Economics Exchange	8	P ECON 1001 and ECON 1002. <i>NB: Department permission required for enrolment.</i>					1, 2
ECON 2901 Intermediate Microeconomics Honours	8	P ECON 1001 and ECON 1002 with a credit average or better in the two subjects combined. C ECON 2903 and ECMT 1010 or ECMT 101X. N ECON 2001. <i>NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.</i>					1
ECON 2902 Intermediate Macroeconomics Honours	8	P ECON 2901. C ECON 2904 and ECMT 1020 or ECMT 102X. N ECON 2002. <i>NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.</i>					2
ECON 2903 Mathematical Economics A	4	C ECON 2901.					1
ECON 2904 Mathematical Economics B	4	P ECON 2903. C ECON 2902.					2
ECON 3001 Capital and Growth	8	P One of ECON 2001, ECON 2901, ECOP 2001, plus one of ECON 2002, ECON 2902, ECOP 2002.					1
ECON 3002 Development Economics	8	P One of ECON 2001, ECON 2002, ECON 2901, ECON 2902.					2
ECON 3003 Hierarchies, Incentives & Firm Structure	8	P One of ECON 2001, ECON 2901.					1
ECON 3004 History of Economic Thought	8	P One of ECON 2001, ECON 2002, ECON 2901, ECON 2902, ECOP 2001, ECOP 2002.					2
ECON 3005 Industrial Organisation	8	P One of ECON 2001, ECON 2901.					2
ECON 3006 International Trade	8	P One of ECON 2001, ECON 2901.					1
ECON 3007 International Macroeconomics	8	P One of ECON 2002, ECON 2902.					1, Summer
ECON 3008 Labour Economics	8	P One of ECON 2001, ECON 2901, ECOP 2001, plus one of ECON 2002, ECON 2902, ECOP 2002.					1
ECON 3009 Markets, Regulation & Government Policy	8	P One of ECON 2001, ECON 2901, ECOP 2001 plus one of ECON 2002, ECON 2902, ECOP 2002.					2
ECON 3010 Monetary Economics	8	P One of ECON 2001, ECON 2901, ECON 2002, ECON 2902.					1
ECON 3011 Public Finance	8	P One of ECON 2001, ECON 2901.					2
ECON 3012 Strategic Behaviour	8	P One of ECON 2001, ECON 2901.					2
ECON 3101 Economics Exchange	8	P ECON 2001 and ECON 2002 or ECON 2901 and ECON 2902. <i>NB: Department permission required for enrolment.</i>					1, 2
ECON 3102 Economics Exchange	8	P ECON 2001 and ECON 2002 or ECON 2901 and ECON 2902. <i>NB: Department permission required for enrolment.</i>					1, 2
ECON 3103 Special Topics in Economics	8	P ECON 2001 and ECON 2002 or ECON 2901 and ECON 2902. <i>NB: Department permission required for enrolment.</i>					1, 2
ECON 3901 Advanced Microeconomics: Theory & Policy	8	P ECON 2901, ECON 2902, ECON 2903, and ECON 2904 with a credit average or better over the four units combined. C ECMT 2010. <i>NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECON 3001 to ECON 3012 inclusive.</i>					1
ECON 3902 Advanced Macroeconomics: Theory & Policy	8	P ECON 3901 and ECMT 2010. <i>NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECON 3001 to ECON 3012 inclusive.</i>					2
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 (ECON 3901) and Advanced Macroeconomics: Theory and Policy (ECON 3902) with a credit average or better in ECON 3901 and 3902; and Regression Modelling (ECMT 2010). <i>NB: Department permission required for enrolment. Requirements for the Pass degree must be completed before entry to 4000 level Honours units of study.</i>					1, 2
ECON 4102 Economics Honours B	12	C ECON 4101.					1, 2
ECON 4103 Economics Honours C	12	P ECON 4102.					1, 2
ECON 4104 Economics Honours D	12	C ECON 4103.					1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Education							
EDUF 1018	6	N EDUF 1011.					1
EDUF 1019	6	N EDUF 1012.					2
EDUF 2006	6	P EDUF 1011 and EDUF 1012 or EDUF 1018 and EDUF 1019 or 30 junior credit points.					1
EDUF 2007	6	P EDUF 1011 and EDUF 1012 or EDUF 1018 and EDUF 1019 or 30 junior credit points.					2
EDUF 3001	4	P 40 credit points. <i>NB: Strongly recommended that students have completed EDUF 2005 or EDUF 2006 Educational Psychology.</i>					2
EDUF 3002	4	P EDUF 1019 Human Development and Education or PSYC 1001 & PSYC 1002.					2a
EDUF 3003	4	P 40 credit points. <i>NB: Strongly recommended that students have completed EDUF 2005 or EDUF 2006 Educational Psychology.</i>					2
EDUF 3005	4	P 40 credit points.					N/A in 2004
EDUF 3014	4	P 40 credit points. <i>NB: Department permission required for enrolment. Departmental permission required for entry into this unit.</i>					1 Intensive
EDUF 3017	4	P 40 credit points.					2
EDUF 3021	4	P 40 credit points.					1, 1b, 2a, 2b
EDUF 3112	4	P 40 credit points.					1
EDUF 3114	4	P 40 credit points.					2
EDUF 3115	4	P 40 credit points.					1, 2
EDUF 3121	4	P 40 credit points.					1
EDUF 3124	4	P 40 credit points. <i>NB: Department permission required for enrolment.</i>					1
EDUF 3132	4	P 40 credit points.					1
EDUF 3134	4	P 40 credit points.					1
EDUF 3205	4	<i>NB: Department permission required for enrolment. Credit average across EDUF 2006 and EDUF 2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.</i>					1
EDUF 3206	4	P Credit or higher in EDUF 3205. <i>NB: Department permission required for enrolment.</i>					2
EDUF 3207	4	P Credit average across EDUF 2006 and EDUF 2007 and a credit average across some other coherent set of 16 credit points. C EDUF 3205 and EDUF 3206. <i>NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.</i>					1
EDUF 3208	4	P EDUF 3207 Educational Psychology Research Seminar 1.					2
EDUF 3209	4	P Credit average across EDUF 2006 and EDUF 2007 Credit average across some other coherent set of 16 credit points. C EDUF 3205 and EDUF 3206. <i>NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.</i>					1
EDUF 3210	4	P EDUF 3209 Social Policy Research Seminar 1. <i>NB: NB: Only students doing Education Honours from other faculties are eligible to enrol.</i>					2
EDUF 4215	24	P EDUF 3205 and EDUF 3206 and EDUF 3207 and EDUF 3208 and 12 credit points from the following: EDUF 3001, EDUF 3002, EDUF 3003, EDUF 3005, EDUF 3112, EDUF 3114, EDUF 3121, EDUF 3124, EDUF 3132, EDUF 3134, EDUF 3141, EDUF 3021. <i>NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.</i>					1
EDUF 4216	24	P EDUF 3205 and EDUF 3206 and EDUF 3207 and EDUF 3208 and 12 credit points from the following: EDUF 3001, EDUF 3002, EDUF 3003, EDUF 3005, EDUF 3112, EDUF 3114, EDUF 3121, EDUF 3124, EDUF 3132, EDUF 3134, EDUF 3141, EDUF 3021. <i>NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.</i>					2
■ Geography							
GEOG 1001	6						1
GEOG 1002	6						2
GEOG 1551	6	<i>NB: Department permission required for enrolment.</i>					1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
GEOG 2001 Processes in Geomorphology	8	P 36 credit points of Junior units of study, including GEOG 1001 or ENVI 1001 or 1002. Students enrolled in the Bachelor of Resource Economics should have 36 credit points from Junior units of study in Biology, Chemistry and Mathematics.					1
GEOG 2002 Fluvial and Coastal Geography	8	P 36 credit points of Junior units of study, including GEOG 1001 or ENVI 1001 or 1002. Students enrolled in the Bachelor of Resource Economics should have 36 credit points from Junior units of study in Biology, Chemistry and Mathematics. N May not be counted with GEOG 2302 or 2303 or MARS 2002. <i>NB: Other Information: As for GEOG 2001.</i>					2
GEOG 2101 Environmental Change and Human Response	8	P 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1001 or 1002. <i>NB: Other Information: As for GEOG 2001.</i>					1
GEOG 2102 Resource and Environmental Management	8	P 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1001 or 1002. <i>NB: Other Information: As for GEOG 2001.</i>					2
GEOG 2201 Cultural and Economic Geography	8	P 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1002 or ECOP 1001 or 1002. <i>NB: Other Information: As for GEOG 2001.</i>					1
GEOG 2202 Urban and Political Geography	8	P 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1002 or ECOP 1001 or 1002. <i>NB: Other Information: As for GEOG 2001.</i>					2
GEOG 2302 Fluvial Geomorphology	6	P GEOG 2001 or 36 credit points of Junior units of study including GEOG 1001 or ENVI 1001 or 1002. Students in the Bachelor of Resource Economics should have 36 credit points of Junior units of study in Biology, Chemistry and Mathematics. N May not be counted with GEOG 2002 or 2303. <i>NB: Other Information: as for GEOG 2001.</i>					2
GEOG 2303 Fluvial and Groundwater Geomorphology	8	P GEOG 2001 or 36 credit points of Junior study including GEOG 1001 or ENVI 1001 or 1002. Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology, Chemistry and Mathematics. N May not be counted with GEOG 2002 or GEOG 2302. <i>NB: Other Information: as for GEOG 2001.</i>					2
GEOG 3002 Environmental Geomorphology	12	P GEOG (2001 or 2002 or 2101 or 2302 or 2303).					2
GEOG 3101 Catchment Management	12	P GEOG 2001 or 2002 or 2101 or 2302 or 2303 and GEOG 2102 or 2201 or 2202.					1
GEOG 3201 Asia-Pacific Field School	12	P GEOG 2101 or 2102 or 2201 or 2202.					1
GEOG 3202 Sustainable Cities and Resource Regions	12	P GEOG (2102 or 2201 or 2202).					1
GEOG 3203 Globalisation and Regions in Transition	12	P GEOG (2102 or 2201 or 2202).					2
GEOG 4011 Geography Honours A	12	<i>NB: Department permission required for enrolment.</i>					1,2
GEOG 4012 Geography Honours B	12	C GEOG 4011.					1,2
GEOG 4013 Geography Honours C	12	C GEOG 4012.					1,2
GEOG 4014 Geography Honours D	12	C GEOG 4013.					1,2
■ Geology							
GEOL 1001 Earth and its Environment	6	A No previous knowledge of Geology assumed. N GEOL 1501.					1
GEOL 1002 Earth Processes and Resources	6	A No previous knowledge of Geology assumed. N GEOL 1501.					2
GEOL 1551 Geology Exchange	6	<i>NB: Department permission required for enrolment.</i>					1,2
GEOL 2001 Geological Hazards and Solutions	8	P GEOL 1002 or ENVI 1001. A candidate who has completed 24 credit points of Junior units of study in Physics and Chemistry and who has not taken Junior Geology or ENVI 1001, may apply under section 1 (4) for permission to enrol in GEOL 2001. N CIVL 2409.					1
GEOL 2003 Fossils and Time	4	P 24 credit points of Science units of study. N CIVL 2409.					2
GEOL 2004 Environmental Geology and Climate Change	4	P 24 credit points of Science units of study.					1
GEOL 3551 Geology Exchange	6	<i>NB: Department permission required for enrolment.</i>					1,2
GEOL 3552 Geology Exchange	6	<i>NB: Department permission required for enrolment.</i>					1,2
■ Government and International Relations							
GOVT 1001 Government Exchange	6	<i>NB: Department permission required for enrolment.</i>					1,2
GOVT 1002 Government Exchange	6	<i>NB: Department permission required for enrolment.</i>					1,2
GOVT 1101 Australian Politics	6						1,2, Summer
GOVT 1104 Power in Society	6						2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
GOVT 1202 World Politics	6						1, 2, Summer
GOVT 1202 World Politics	6						1, 2, Summer
GOVT 1406 International Business and Politics	6						1
GOVT 2001 Government Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
GOVT 2002 Government Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
GOVT 2003 Government Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
GOVT 2004 Government Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
GOVT 2091 Government 2 Honours	8		P Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator.				1
GOVT 2101 Human Rights and Australian Politics	8		P Two GOVT 1000 level units of study.				2, Summer
GOVT 2105 Spirituality and Politics	8		P Two GOVT 1000 level units of study. <i>NB: This unit will be taught in intensive mode over five Fridays.</i>				1a
GOVT 2106 Australian Foreign and Defence Policy	8		P Two GOVT 1000 level units of study.				2
GOVT 2201 Politics of International Economic Rels	8		P Two GOVT 1000 level units of study.				2
GOVT 2205 International Security in 21st Century	8		P Two GOVT 1000 level units of study.				1
GOVT 2404 Europe in World Affairs	8		P Two GOVT 1000 level units of study.				2
GOVT 2406 Reform, Revolution and Post Communism	8		P Two GOVT 1000 level units of study.				2
GOVT 2412 Comparative Politics of Ethnic Conflict	8		P Two GOVT 1000 level units of study (for Management major only: any four 1000 level units).				1
GOVT 2502 Policy Analysis	8		P Two GOVT 1000 level units of study.				1
GOVT 2504 Government Business Relations	8		P Two GOVT 1000 level units of study (for Management major only: any four 1000 level units).				2
GOVT 2507 Public Sector Management	8		P Two GOVT 1000 level units of study (for Management major only: any four 1000 level units).				1
GOVT 2605 Ethics and Politics	8		P Two GOVT 1000 level units of study.				1
GOVT 2701 Middle East Politics and Society	8		P Two GOVT 1000 level units of study.				2
GOVT 2703 Consultation: Community, Business, Govt	8		P Two GOVT 1000 level units of study.				1b
GOVT 3508 Internship in Public Policy and Affairs	16		P Consultation with Discipline's Internship Coordinator. <i>NB: Department permission required for enrolment. Applications in writing and enrolments limited by number of available placements.</i>				2
GOVT 3991 Government 3 Honours Part A	4		P Two senior Government units and GOVT 2091, each at the level of Credit or better, or with the consent of the Chair of Discipline.				1
GOVT 3992 Government 3 Honours Part B	4		P Two senior Government units, including GOVT 2091, each at the level of Credit or better, or with the consent of the Chair of Discipline.				2
GOVT 4101 Government Honours A	12		P Credit grades in two junior GOVT units, four senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. 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 degree, credit grades in two junior GOVT units, three senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. NB: Permission required for enrolment. C Must enrol in GOVT 4101, 4102, 4103, and 4104. <i>NB: Department permission required for enrolment.</i>				1, 2
GOVT 4102 Government Honours B	12		P Credit grades in two junior GOVT units, four senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. 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 degree, credit grades in two junior GOVT units, three senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. NB: Permission required for enrolment. C Must enrol in GOVT 4101, 4102, 4103, and 4104.				1, 2
GOVT 4103 Government Honours C	12		P Credit grades in two junior GOVT units, four senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. 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 degree, credit grades in two junior GOVT units, three senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. NB: Permission required for enrolment. C Must enrol in GOVT 4101, 4102, 4103, and 4104.				1, 2
GOVT 4104 Government Honours D	12		P 'Students work under individual supervision to prepare a bibliographic essay and a thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree. C Must enrol in GOVT 4101, 4102, 4103, and 4104.				1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ History and Philosophy of Science							
HPSC 2001	4		P	24 credit points of Junior units of study.			2
HPSC 2002	4		P	24 credit points of Junior units of study.			1, Summer
HPSC 3002	6		P	HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study).			2
HPSC 3005	4	A	P	Assumed knowledge of HPSC (2001 and 2002). At least 24 credit points of Intermediate or Senior units of study.			1
HPSC 3007	4		P	HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study).			1
HPSC 3010	4		P	HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study).			1
HPSC 3015	6	A	P	HPSC (2001 and 2002). HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). N HPSC 3105.			1
HPSC 3016	6	A	P	HPSC (2001 and 2002). HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). N HPSC (3001 or 3106).			2
HPSC 3021	6	A	P	HPSC 2001 and HPSC 2002. HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). N HPSC 3103.			2
HPSC 3022	6	A	P	HPSC 2001 and HPSC 2002. HPSC 2001 and HPSC 2002 OR a Credit or above in either HPSC 2001 or HPSC 2002 and at least 24 credit points of Intermediate or Senior units of study. N HPSC 3003.			1
HPSC 3100	4		P	HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study).			2
HPSC 3104	4		P	HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). N May not be counted with WMST 2006.			2
HPSC 4101	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.			1
HPSC 4102	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.			1, 2
HPSC 4103	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.			2
HPSC 4104	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.			1, 2
HPSC 4105	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.			1
HPSC 4106	12		P	Available only to students admitted to HPS Honours and Graduate Diploma in Science (History and Philosophy of Science). C Must be taken in conjunction with HPSC 4107 Research Project B in the following semester. NB: Department permission required for enrolment.			1, 2
HPSC 4107	12		P	Available only to students admitted to HPS Honours and Graduate Diploma in Science (History and Philosophy of Science). C HPSC 4999 (for Honours students only). NB: Department permission required for enrolment.			1, 2
HPSC 4108	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). 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.			1, 2
HPSC 4999	0		P	Available only to students admitted to HPS Honours. NB: Department permission required for enrolment.			1, 2
■ Industrial Relations and Human Resource Management							
IREL 2101	8			NB: Department permission required for enrolment.			1, 2
IREL 2102	8			NB: Department permission required for enrolment.			1, 2
IREL 2103	4			NB: Department permission required for enrolment.			1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
IREL 2104 Industrial Relations & HRM Exchange	4	<i>NB: Department permission required for enrolment.</i>					1, 2
IREL 3101 Industrial Relations & HRM Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
IREL 3102 Industrial Relations & HRM Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
IREL 4101 Industrial Relations Honours A	12	P WORK 3901 (or IREL 3901) and 32 credit points of IREL 2000 or WORK 2000 level units of study.. Requirements for the Pass degree must be completed before entry to level 4000 Honours units of study and admission is at the discretion of the discipline.					1, 2
IREL 4102 Industrial Relations Honours B	12	C IREL 4101.					1, 2
IREL 4103 Industrial Relations Honours C	12	C IREL 4102.					1, 2
IREL 4104 Industrial Relations Honours D	12	C IREL 4103.					1, 2
WORK 1001 Foundations of Industrial Relations	6	P None. N IREL 1001. <i>NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.</i>					1
WORK 1002 Foundations of Human Resource Management	6	P None. N IREL 1002. <i>NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.</i>					2
WORK 2001 Foundations of Management	8	P IREL 1002 or WORK 1002. N IREL 2001. <i>NB: This is the compulsory unit of study for the Management major.</i>					1
WORK 2003 Industrial Relations Policy	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2003.					1
WORK 2004 Sociology of Work	8	P 48 junior credit points or ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)). N IREL 2004.					2
WORK 2005 Human Resource Processes	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2005.					1
WORK 2007 Labour Law	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2007.					2
WORK 2008 Work Safety	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2008.					1
WORK 2009 Organisational Analysis and Behaviour	8	P IREL 1002 or WORK 1002. N IREL 2009.					2
WORK 2010 Strategic Management	8	P IREL 1002 or WORK 1002. N IREL 2010.					1
WORK 2011 Human Resource Strategies	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2011.					2
WORK 2013 The Development of Australian Management	8	P IREL 1002 or WORK 1002. N IREL 2013.					1
WORK 2014 Comparative Industrial Relations	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2014.					2
WORK 2015 IR and HRM Practice	8	P ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)) plus 16 senior credit points in WOS units of study. <i>NB: Department permission required for enrolment. This unit will be taught as an intensive block, dates TBA.</i>					2
WORK 2016 Unions at Work	8	P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002).					2
WORK 3901 Theories of Work and Organisation	8	P ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)) 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. N IREL 2901, IREL 2902. <i>NB: Department permission required for enrolment.</i>					1
WORK 3902 Researching Work and Organisations	8	P WORK 3901 or IREL 2901 and IREL 2902 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. N IREL 3902.					2
■ Information Systems							
ISYS 1003 Foundations of Information Technology	6	N May not be counted with INFO 1000 or INFS 1000.					1, 2
ISYS 2006 Information Systems in Organisations	4	A Use of basic PC tools such as spreadsheets, Internet, email and word processing software. P Credit in one of ISYS 1003 or INFS 1000 or INFO 1000. <i>NB: Enrolment Restriction: Entry is restricted to students who have a credit or better in one of the qualifying units.</i>					1
ISYS 2007 Distributed Information Systems	4	Q ISYS 2006 and INFO (2000 or 2900). N May not be counted with INFO 2007.					2
ISYS 3000 Information Systems Management	4	P ISYS 2007 or INFO 2007.					2
ISYS 3012 Project Management and Practice	4	P INFO (2000 or 2900).					1

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
ISYS 3015 Analytical Methods for IS Professionals	4		P [ARIN 1000 or ENGL (1050 or 1005) or LNGS (1001 or 1002 or 1005) or ECOF (1001 or 1002)] and 16 credit points of intermediate or senior units of study, including ISYS 2006 and (ISYS 2007 or INFO 2007) and INFO (2000 or 2900). <i>NB: Enrolment Restriction: Entry is restricted to students who have a credit or better in at least one of the Prerequisite units.</i>				1
ISYS 3113 Arts Informatics Systems	4		P INFO (2000 or 2900) and INFO (2005 or 2905) and [(ARIN 1000 or ENGL (1050 or 1005) or LNGS (1001 or 1002 or 1005) or ECOF (1001 or 1002)].				1
ISYS 3207 Information Systems Project	8		P ISYS 3012 and (ISYS 3015 or ARIN 2000).				2
■ Law							
LAWS 1002 Contracts	8		P Legal Institutions.				1, 2, Summer
LAWS 1003 Criminal Law	8						1, 2
LAWS 1006 Foundations of Law	6		<i>NB: Unit is part of the Combined Law program.</i>				1
LAWS 1007 Law, Lawyers and Justice	6		N LAWS 1010. <i>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 LAWS 3001 only.</i>				2
LAWS 1008 Legal Research	0						1, 2
LAWS 1010 Torts	6		P Legal Institutions. N LAWS 3001 Torts. <i>NB: Unit is part of the Combined Law program for students commencing in 2004.</i>				2
LAWS 3000 Federal Constitutional Law	10		P Legal Institutions. <i>NB: Unit is part of the Combined Law program.</i>				1
LAWS 3001 Torts	10		N LAWS 1010 Torts. <i>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.</i>				2
LAWS 3002 Law, Lawyers and Justice	10		<i>NB: Unit is part of the Combined Law program for re-enrolling students in 2004.</i>				2
■ Management							
ECHS 2328 The Politics of e-Commerce	8		P Any four first year units of study.				1
ECON 3003 Hierarchies, Incentives & Firm Structure	8		P One of ECON 2001, ECON 2901.				1
ECON 3005 Industrial Organisation	8		P One of ECON 2001, ECON 2901.				2
ECON 3008 Labour Economics	8		P One of ECON 2001, ECON 2901, ECOP 2001, plus one of ECON 2002, ECON 2902, ECOP 2002.				1
ECON 3012 Strategic Behaviour	8		P One of ECON 2001, ECON 2901.				2
GOVT 2502 Policy Analysis	8		P Two GOVT 1000 level units of study.				1
GOVT 2507 Public Sector Management	8		P Two GOVT 1000 level units of study (for Management major only: any four 1000 level units).				1
WORK 1002 Foundations of Human Resource Management	6		P None. N IREL 1002. <i>NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.</i>				2
WORK 2001 Foundations of Management	8		P IREL 1002 or WORK 1002. N IREL 2001. <i>NB: This is the compulsory unit of study for the Management major.</i>				1
WORK 2004 Sociology of Work	8		P 48 junior credit points or ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)). N IREL 2004.				2
WORK 2005 Human Resource Processes	8		P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2005.				1
WORK 2009 Organisational Analysis and Behaviour	8		P IREL 1002 or WORK 1002. N IREL 2009.				2
WORK 2010 Strategic Management	8		P IREL 1002 or WORK 1002. N IREL 2010.				1
WORK 2011 Human Resource Strategies	8		P (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). N IREL 2011.				2
WORK 2013 The Development of Australian Management	8		P IREL 1002 or WORK 1002. N IREL 2013.				1
■ Mathematical Statistics							
STAT 1021 General Statistical Methods 1	6		A HSC General Mathematics. N MATH 1005, Math 1015, Math 1905, ECMT 1010.				1
STAT 1022 General Statistical Methods 2	6		P STAT 1021. N MATH 1005, Math 1015, Math 1905.				2
STAT 2001 Statistical Distributions	4		P MATH (1001 or 1901 or 1906 or Credit in 1011) and [MATH (1005 or 1905 or 1015) or MATH (1004 or 1904)]. N STAT 2901.				1

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
STAT 2002 Data Analysis	4	P MATH 1005 or 1905 or 1015 (or STAT 1021 for Arts students).					1
STAT 2003 Estimation Theory	4	P STAT 2001 or 2901. N STAT 2903.					2
STAT 2004 Hypothesis Testing	4	A STAT 2002. P MATH (1005 or 1905 or 1015).					2
STAT 2901 Introduction to Probability (Advanced)	4	P MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005). N STAT 2001.					1
STAT 2903 Estimation Theory (Advanced)	4	P STAT 2901 or Credit in STAT 2001. N STAT 2003.					2
STAT 3001 Distribution Theory and Inference	4	P MATH (1003 or 1903 or 1907) and STAT (2003 or 2903). N STAT 3901.					1
STAT 3002 Applied Linear Models	4	P STAT 2004 (or STAT 1022 for Arts students) and MATH (1002 or 1902). N May not be counted with STAT 3902.					1
STAT 3003 Time Series Analysis	4	P STAT (2003 or 2903). N May not be counted with STAT 3903.					1
STAT 3004 Design of Experiments	4	P STAT (3002 or 3902). N May not be counted with STAT 3904.					2
STAT 3005 Applied Stochastic Processes	4	P MATH (1003 or 1903 or 1907) and STAT (2001 or 2901). N STAT 3905.					2
STAT 3006 Sampling Theory and Categorical Data	4	P STAT 2003 or 2903.					2
STAT 3901 Statistical Theory (Advanced)	4	P (MATH 2001 or 2901) and STAT 2903. N STAT 3001.					1
STAT 3902 Linear Models (Advanced)	4	P STAT 2004 and (STAT 2903 or Credit in 2003) and (MATH 2002 or 2902). N May not be counted with STAT 3002.					1
STAT 3903 Time Series Analysis (Advanced)	4	P STAT 2903 or credit or better in STAT 2003. N May not be counted with STAT 3003.					1
STAT 3904 Design of Experiments (Advanced)	4	P STAT 3902 or credit or better in STAT 3002. N May not be counted with STAT 3004.					2
STAT 3905 Markov Processes (Advanced)	4	P STAT 2901 or (Credit in STAT 2001 and MATH (1003 or 1903 or 1907)). N STAT 3005.					2
STAT 3907 Multivariate Analysis (Advanced)	4	P STAT 3902 and either STAT (3001 or 3901).					2
STAT 4201 Mathematical Statistics Honours A	12	<i>NB: Department permission required for enrolment.</i>					1, 2
STAT 4202 Mathematical Statistics Honours B	12	C STAT 4201.					1, 2
STAT 4203 Mathematical Statistics Honours C	12	C STAT 4202.					1, 2
STAT 4204 Mathematical Statistics Honours D	12	C STAT 4203.					1, 2
■ Mathematics							
MATH 1001 Differential Calculus	3	A HSC Mathematics Extension 1. N MATH 1011 or 1901 or 1906.					1, Summer
MATH 1002 Linear Algebra	3	A HSC Mathematics Extension 1. N MATH 1902 or 1012.					1, Summer
MATH 1003 Integral Calculus and Modelling	3	A HSC Mathematics Extension 2 or MATH 1001. N MATH 1013 or 1903 or 1907.					2, Summer
MATH 1004 Discrete Mathematics	3	A HSC Mathematics Extension 1. N MATH 1904 or MATH 2011.					2, Summer
MATH 1005 Statistics	3	A HSC Mathematics. N MATH (1905 or 1015) or ECMT Junior units of study or STAT (1021 or 1022).					2, Summer
MATH 1011 Life Sciences Calculus	3	A HSC Mathematics. N MATH (1001 or 1901 or 1906).					1
MATH 1012 Life Sciences Algebra	3	A HSC Mathematics. N MATH (1002 or 1902).					2
MATH 1013 Differential and Difference Equations	3	A HSC Mathematics. N MATH (1003 or 1903 or 1907).					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.					1, Summer
MATH 1901 Differential Calculus (Advanced)	3	A HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. N MATH (1011 or 1001 or 1906).					1
MATH 1902 Linear Algebra (Advanced)	3	A HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. N MATH (1002 or 1012).					1
MATH 1903 Integral Calculus and Modelling Advanced	3	A HSC Mathematics Extension 2 or Credit or better in MATH 1001/1901. N MATH (1003 or 1013 or 1907).					2
MATH 1904 Discrete Mathematics (Advanced)	3	A HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. N MATH 1004 or MATH 2011.					2
MATH 1905 Statistics (Advanced)	3	A HSC Mathematics Extension 2 or result in Band E3 or better of HSC Mathematics Extension 1. N MATH (1005 or 1015) or ECMT Junior units of study or STAT (1021 or 1022).					2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
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. N MATH (1001 or 1011 or 1901). <i>NB: Department permission required for enrolment.</i>					1
MATH 1907 Mathematics (Special Studies Program) B	3	P Distinction in MATH 1906; by invitation. N MATH (1003 or 1013 or 1903). <i>NB: Department permission required for enrolment.</i>					2
MATH 2001 Vector Calculus and Complex Variables	4	P MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907). N MATH 2901.					1, Summer
MATH 2002 Matrix Applications	4	P MATH (1002 or 1902) or Distinction in MATH 1012. N MATH 2902.					1, Summer
MATH 2003 Introduction to Mathematical Computing	4	P MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907). N MATH 2903.					1
MATH 2004 Lagrangian Dynamics	4	P MATH 2001 or 2901. N MATH 2904.					2
MATH 2005 Fourier Series & Differential Equations	4	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). N MATH 2905.					2, Summer
MATH 2006 Nonlinear Systems and Chaos Introduction	4	P MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907) or (Credit in MATH 1011 and 1012 and 1013). N MATH 2906.					2
MATH 2007 Analysis	4	P MATH (1001 or 1901 or 1906) and (1003 or 1903 or 1907) or Distinction average in MATH 1011 and 1013. N MATH 2907.					2
MATH 2008 Introduction to Modern Algebra	4	P MATH 2002 or 2902. N MATH 2908 or 2918.					2
MATH 2009 Graph Theory	4	P 6 credit points of Junior Mathematics (at the Distinction level in Life Sciences units).					2, Summer
MATH 2010 Optimisation	4	P MATH (1001 or 1901 or 1906) and (1002 or 1902). N ECMT 3510.					2, Summer
MATH 2011 Topics in Discrete Mathematics	4	A HSC Mathematics Extension 1. P 6 credit points of Junior Mathematics. N MATH (1004 or 1904).					1
MATH 2033 Financial Mathematics 1	4	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) and MATH (1005 or 1905). N MATH 2933.					1
MATH 2901 Vector Calculus and Complex Var (Adv)	4	P MATH (1901 or 1906 or Credit in 1001) and (1902 or Credit in 1002) and (1903 or 1907 or Credit in 1003). N MATH 2001.					1
MATH 2902 Linear Algebra (Advanced)	4	P 12 credit points of Junior Mathematics, including MATH 1902 or Credit in 1002. N MATH 2002.					1
MATH 2903 Intro to Mathematical Computing (Adv)	4	P MATH (1901 or 1906 or Credit in 1001) and (1902 or Credit in 1002) and (1903 or 1907 or Credit in 1003). N MATH 2003.					1
MATH 2904 Lagrangian Dynamics (Advanced)	4	P MATH 2901 or Credit in MATH 2001. N MATH 2004.					2
MATH 2905 Mathematical Methods (Advanced)	4	P MATH 2901 or Credit in MATH 2001. N MATH 2005.					2
MATH 2906 Nonlinear Systems and Chaos (Advanced)	4	P MATH (1901 or 1906 or Credit in 1001) and (1902 or Credit in 1002) and (1903 or 1907 or Credit in 1003). N MATH 2006.					2
MATH 2907 Analysis (Advanced)	4	P MATH (1901 or 1906 or Credit in 1001) and (1903 or 1907 or Credit in 1003) (MATH 2901 or 2001 strongly advised). N MATH 2007.					2
MATH 2918 Introduction to Modern Algebra (Adv)	4	P MATH 2902. N MATH 2008 or 2908.					2
MATH 2933 Financial Mathematics 1 (Advanced)	4	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) and MATH (1905 or credit in 1005). N MATH 2033.					1
MATH 3001 Topology	4	P 8 credit points of Intermediate Mathematics. N MATH 3901.					1
MATH 3002 Rings and Fields	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902, with 2008 or 2908). N MATH 3902.					1
MATH 3003 Ordinary Differential Equations	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902, with 2001 or 2901). N MATH 3923.					1
MATH 3005 Logic	4	P (for all but BCST students) 8 credit points of Intermediate Mathematics; (for BCST students) 8 credit points of Intermediate Mathematics or 12 credit points of Junior Mathematics at Advanced level.					1
MATH 3006 Geometry	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 1902 or 1002).					2
MATH 3007 Coding Theory	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902).					2
MATH 3008 Real Variables	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2007 or 2901 or 2907).					2
MATH 3009 Number Theory	4	P 8 credit points of Intermediate Mathematics.					2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
MATH 3010 Information Theory	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901 and some probability theory).					2
MATH 3015 Financial Mathematics 2	4	P 8 credit points of Intermediate Mathematics including MATH 2033 or 2933 (and strongly advise MATH 2010 and STAT (2001 or 2901)). N MATH 3933.					2
MATH 3016 Mathematical Computing I	4	P 8 credit points of Intermediate Mathematics and one of MATH 1001 or 1003 or 1901 or 1903 or 1906 or 1907. N May not be counted with MATH 3916.					1
MATH 3018 Partial Differential Equations and Waves	4	P MATH (2001 or 2901) and MATH (2005 or 2905). N May not be counted with MATH 3921.					1
MATH 3019 Signal Processing	4	P MATH (2001 or 2901) and MATH (2005 or 2905). N May not be counted with MATH 3919.					1
MATH 3020 Nonlinear Systems and Biomathematics	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2006 or 2906 or 2908 or 3003) and one of MATH (1001 or 1003 or 1901 or 1903). N MATH 3920.					2
MATH 3024 Elementary Cryptography and Protocols	4	P 12 credit points of Intermediate Mathematics. Strongly advise MATH 2008 or 2908 or 2918.					1
MATH 3901 Metric Spaces (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2907). N MATH 3001.					1
MATH 3902 Algebra I (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2902). N MATH 3002.					1
MATH 3903 Differential Geometry (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901, with MATH 3001 or 3901).					1
MATH 3904 Complex Variable (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901, with MATH 3001 or 3901).					1
MATH 3906 Group Representation Theory (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 3902). <i>NB: This unit is only offered in odd years only.</i>					N/A in 2004
MATH 3908 Nonlinear Analysis (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 3901).					2
MATH 3909 Lebesgue Int and Fourier Analysis (Adv)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2907 and MATH 3901).					2
MATH 3912 Combinatorics (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2902).					N/A in 2004
MATH 3914 Fluid Dynamics (Advanced)	4	P MATH (2901 or credit in 2001) and MATH (2905 or credit in 2005).					1
MATH 3915 Mathematical Methods (Advanced)	4	P MATH (2901 or 2905 or 2907 or 3921) or Credit in MATH (2005 or 3018).					2
MATH 3916 Mathematical Computing I (Advanced)	4	P 8 credit points of Intermediate Mathematics and one of MATH 1903 or 1907 or Credit in MATH 1003. N May not be counted with MATH 3016.					1
MATH 3917 Hamiltonian Dynamics (Advanced)	4	P MATH 2904 or Credit in MATH 2004.					2
MATH 3919 Signal Processing (Advanced)	4	P MATH 2905 or Credit in MATH 2005. N May not be counted with MATH 3019.					1
MATH 3920 Nonlinear Systems & Biomathematics (Adv)	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2908 or 3003) and one of MATH 1903 and 1905 or 1903 and 1904 or Credit in (MATH 1003 and 1005) or MATH (1003 and 1004). N MATH 3020.					2
MATH 3921 P D E And Waves (Advanced)	4	P MATH (2901 or credit in 2001) and (2905 or credit in 2005). N May not be counted with MATH 3018.					1
MATH 3923 Ordinary Differential Equations (Adv)	4	P MATH 2901 and MATH 2902. N MATH 3003.					1
MATH 3925 Public Key Cryptography (Advanced)	4	P 12 credit points from Intermediate or senior mathematics. Strongly recommend MATH 3902.					2
MATH 3933 Financial Mathematics 2 (Advanced)	4	P 8 credit points of Intermediate Mathematics including MATH 2933 or Credit in MATH 2033 (and strongly advise MATH 2010 and STAT (2001 or 2901)). N MATH 3015.					2
MATH 4301 Pure Mathematics Honours A	12	<i>NB: Department permission required for enrolment.</i>					1, 2
MATH 4302 Pure Mathematics Honours B	12	C MATH 4301.					1, 2
MATH 4303 Pure Mathematics Honours C	12	C MATH 4302.					1, 2
MATH 4304 Pure Mathematics Honours D	12	C MATH 4303.					1, 2
MATH 4401 Applied Mathematics Honours A	12	<i>NB: Department permission required for enrolment.</i>					1, 2
MATH 4402 Applied Mathematics Honours B	12	C MATH 4401.					1, 2
MATH 4403 Applied Mathematics Honours C	12	C MATH 4402.					1, 2
MATH 4404 Applied Mathematics Honours D	12	C MATH 4403.					1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
■ Physics							
COSC 1001 Computational Science in Matlab	3	A HSC Mathematics. N May not be counted with COSC 1901.					2
COSC 1002 Computational Science in C	3	A HSC Mathematics. N May not be counted with COSC 1902.					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.					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.					2
COSC 2001 Computational Science 2	6	A A basic knowledge of C and MATLAB. P 12 credit points chosen from junior Mathematics or Junior Computational Science units. N COSC 2901.					1
COSC 2901 Computational Science 2 (Advanced)	6	A A basic knowledge of C and MATLAB. P 12 credit points at a credit level chosen from Junior Mathematics units or Junior Mathematics and Junior Computational Science units. N COSC 2001.					1
COSC 3001 Computational Science 3A	4	A Programming experience in C and MATLAB. P 12 credit points chosen from junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units or equivalent and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. N COSC 3901, PHYS 3301, PHYS 3901.					1
COSC 3002 Computational Science 3B	4	A Programming experience in C and MATLAB. P 12 credit points from the Science subject areas of Junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units or equivalent, and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. N COSC 3601, COSC 3902, PHYS 3303, PHYS 3933.					2
COSC 3901 Computational Science 3A (Advanced)	4	A Programming experience in C and MATLAB. P 12 credit points chosen from junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units at credit level or equivalent and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. N COSC 3001, PHYS 3301, PHYS 3901.					1
COSC 3902 Computational Science 3B (Advanced)	4	A Programming experience in C and MATLAB. P 12 credit points from the Science subject areas of Junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units at a credit level or equivalent, and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. N COSC 3601, COSC 3002, PHYS 3303, PHYS 3933.					2
PHYS 1001 Physics 1 (Regular)	6	A HSC Physics MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1002 or 1901).					1
PHYS 1002 Physics 1 (Fundamentals)	6	A No assumed knowledge of Physics MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1001 or 1901).					1
PHYS 1003 Physics 1 (Technological)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1004 or 1902).					1,2
PHYS 1004 Physics 1 (Environmental & Life Science)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1003 or 1902).					2
PHYS 1500 Astronomy	6	A No assumed knowledge of Physics.					2
PHYS 1600 Concepts and Issues in Physical Science	6	A No assumed knowledge of HSC Physics or Mathematics is required.					2
PHYS 1901 Physics 1A (Advanced)	6	A MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. P UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1902, or Distinction or better in PHYS 1003, 1004 or an equivalent unit. N PHYS (1001 or 1002).					1
PHYS 1902 Physics 1B (Advanced)	6	A MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. P UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1901, or Distinction or better in PHYS 1001, 1002 or an equivalent unit. N PHYS (1003 or 1004).					2
PHYS 2001 Physics 2A	8	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 1600). N PHYS (2101 or 2103 or 2901).					1
PHYS 2002 Physics 2B	8	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). N PHYS (2102 or 2104 or 2902).					2
PHYS 2105 Physics for Medical Sciences	4	P 12 credit points of Junior Physics, excluding PHYS (1500 & 1600).					2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
PHYS 2901 Physics 2A (Advanced)	8	A MATH (1901/1001 and 1902/1002 and 1903/1003). MATH 1905/1005 would also be useful.	P PHYS 1901 (or credit or better in PHYS 1001 or 1002) and PHYS 1902 (or credit or better in PHYS 1003 or 1004).			N PHYS (2001, 2101, 2103).	1
PHYS 2902 Physics 2B (Advanced)	8	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful.	P PHYS 1902 (or credit or better in PHYS 1003 or 1004) and PHYS [(1901 or 2901) or credit or better in PHYS (1001 or 1002 or 2001)].			N PHYS (2002, 2102, 2104).	2
PHYS 3011 Electromagnetism/Quantum Mechanics	4	P 16 points of Intermediate Physics and 8 credit points of intermediate mathematics.				N PHYS 3003, 3014, 3015, 3200, 3903, 3911, 3914, 3915.	1
PHYS 3012 Condensed Matter Physics/Optics	4	A 8 credit points of intermediate mathematics.	P 16 credit points of intermediate Physics.			N PHYS 3004, 3005, 3006, 3107, 3904, 3905, 3906, 3014, 3015, 3912, 3914, 3915.	1
PHYS 3013 Thermodynamics/Kinetic Theory	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of intermediate Physics.			N PHYS 3005, 3014, 3015, 3905, 3913, 3914, 3915.	1
PHYS 3014 Topics in Physics A	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of intermediate Physics.			N PHYS 3003, 3004, 3005, 3011, 3012, 3013, 3015, 3200, 3903, 3904, 3905, 3911, 3912, 3913, 3914, 3915. <i>NB: Department permission required for enrolment. Approval required by the Senior Physics Coordinator prior to enrolment.</i>	1
PHYS 3015 Topics in Physics B	6	A 8 credit points of Intermediate Mathematics.	P 16 credit points of intermediate Physics.			N PHYS 3003, 3004, 3005, 3011, 3012, 3013, 3014, 3200, 3903, 3904, 3905, 3911, 3912, 3913, 3914, 3915.	1
PHYS 3016 Experimental Physics A	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3008 or 3009 or or 3017 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3916 or 3917).	1
PHYS 3017 Experimental Physics B	8	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3008 or 3009 or 3016 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3916 or 3917).	1
PHYS 3021 Plasma Physics/Nanoscience	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of intermediate Physics.			N PHYS (3005 or 3006 or 3024 or 3025 or 3905 or 3906 or 3921 or 3924 or 3925).	2
PHYS 3022 Astrophysics/High Energy Physics	4	P 16 credit points of intermediate Physics and 8 credit points of intermediate mathematics.				N PHYS (3005 or 3006 or 3024 or 3025 or 3105 or 3905 or 3906 or 3922 or 3924 or 3925).	2
PHYS 3023 Biological & Medical Physics	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics or Intermediate Biochemistry, 12 credit points of Junior units from Mathematics and Statistics and 12 credit points of Junior Physics.			N PHYS (3006 or 3024 or 3025 or 3906 or 3923 or 3924 or 3925).	2
PHYS 3024 Topics in Physics C	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of intermediate Physics.			N PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3025 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3924 or 3925).	2
PHYS 3025 Topics in Physics D	6	A 8 credit points of Intermediate Mathematics.	P 16 credit points of intermediate Physics.			N PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3024 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3924 or 3925).	2
PHYS 3026 Experimental Physics C	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3008 or 3009 or 3027 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3926 or 3927).	2
PHYS 3027 Experimental Physics D	8	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3008 or 3009 or 3026 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3926 or 3927).	2
PHYS 3911 Electromagnetism/Quantum Mechanics (Adv)	4	P 16 points of Intermediate Physics with a credit average and 8 credit points of intermediate mathematics.				N PHYS (3003 or 3011 or 3014 or 3015 or 3200 or 3903 or 3914 or 3915).	1
PHYS 3912 Condensed Matter Physics/Optics (Adv)	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3004 or 3005 or 3006 or 3012 or 3014 or 3015 or 3107 or 3904 or 3905 or 3906 or 3914 or 3915).	1
PHYS 3913 Thermodynamics/Kinetic Theory (Adv)	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3005 or 3013 or 3014 or 3015 or 3905 or 3914 or 3915).	1
PHYS 3914 Topics in Physics A (Adv)	4	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3003 or 3004 or 3005 or 3011 or 3012 or 3013 or 3014 or 3015 or 3200 or 3903 or 3904 or 3905 or 3911 or 3912 or 3913 or 3915).	1
PHYS 3915 Topics in Physics B (Adv)	6	A 8 credit points of Intermediate Mathematics.	P 16 credit points of Intermediate Physics.			N PHYS (3003 or 3004 or 3005 or 3011 or 3012 or 3013 or 3014 or 3015 or 3200 or 3903 or 3904 or 3905 or 3911 or 3912 or 3913 or 3914).	1

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
PHYS 3916 Experimental Physics A (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3008 or 3009 or 3016 or 3017 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3917).					1
PHYS 3917 Experimental Physics B (Adv)	8	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3008 or 3009 or 3016 or 3017 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3916).					1
PHYS 3918 Special Projects A (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3103 or 3104 or 3803 or 3804).					1
PHYS 3921 Plasma Physics/Nanoscience (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3005 or 3006 or 3021 or 3024 or 3025 or 3905 or 3906 or 3924 or 3925).					2
PHYS 3922 Astrophysics/High Energy Physics (Adv)	4	P 16 credit points of intermediate physics with a credit average and 8 credit points of intermediate mathematics. N PHYS (3005 or 3006 or 3022 or 3024 or 3025 or 3105 or 3905 or 3906 or 3924 or 3925).					2
PHYS 3923 Biological & Medical Physics (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics or Intermediate Biochemistry with a credit average and 12 credit points of Junior units from Mathematics and Statistics and 12 credit points of Junior Physics. N PHYS (3006 or 3906).					2
PHYS 3924 Topics in Physics C (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3024 or 3025 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3925).					2
PHYS 3925 Topics in Physics D (Adv)	6	P 16 credit points of intermediate Physics with a credit average and 8 credit points of intermediate mathematics. N PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3024 or 3025 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3924).					2
PHYS 3926 Experimental Physics C (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3008 or 3009 or 3026 or 3027 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3927).					2
PHYS 3927 Experimental Physics D (Adv)	8	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3008 or 3009 or 3026 or 3027 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3926).					2
PHYS 3928 Special Projects B (Adv)	4	A 8 credit points of Intermediate Mathematics. P 16 credit points of Intermediate Physics. N PHYS (3103 or 3104 or 3803 or 3804 or 3918).					2
■ Political Economy							
ECOP 1001 Economics as a Social Science	6	P None.					1, Summer
ECOP 1002 Economy and Policy	6	P None.					2
ECOP 2001 Economic Foundation of Modern Capitalism	8	P ECOP 1001 and ECOP 1002.					2
ECOP 2002 Social Foundations of Modern Capitalism	8	P ECOP 1001 and ECOP 1002.					1
ECOP 2101 Political Economy Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ECOP 2102 Political Economy Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ECOP 2901 Political Economy Honours II (Part A)	4	P Credit average in ECOP 1001 and ECOP 1002. C ECOP 2001 or ECOP 2002. <i>NB: Department permission required for enrolment.</i>					1
ECOP 2902 Political Economy Honours II (Part B)	4	P Credit average in ECOP 1001 and ECOP 1002. C ECOP 2001 or ECOP 2002. <i>NB: Department permission required for enrolment. Students who commence mid-year may enrol in this unit if they obtain a credit or better in ECOP 2001.</i>					2
ECOP 3002 Global Political Economy	8	P ECOP 1001 and ECOP 1002.					2
ECOP 3004 Political Economy of Development	8	P ECOP 1001 and ECOP 1002.					2, Summer
ECOP 3005 Political Economy of the Environment	8	P ECOP 1001 and ECOP 1002.					1
ECOP 3008 Economic Policy	8	P ECOP 1001 and ECOP 1002.					1
ECOP 3101 Political Economy Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ECOP 3102 Political Economy Exchange	8	<i>NB: Department permission required for enrolment.</i>					1, 2
ECOP 3901 Political Economy Honours III (Part A)	4	P Credit average in 4 intermediate or senior ECOP units including ECOP 2901 and ECOP 2902. <i>NB: Third year students who have not completed the prerequisites should consult the department about alternative requirements.</i>					1

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge P: Prerequisite Q: Qualifying C: Corequisite N: Prohibition	Session
ECOP 3902 Political Economy Honours III (Part B)	4	P Credit average in 4 intermediate or senior ECOP units including ECOP 2901 and ECOP 2902. <i>NB: Third year students who have not completed the prerequisites should consult the department about alternative requirements.</i>	2
ECOP 4001 Political Economy Honours A	12	P ECOP 2901, ECOP 2902, ECOP 3901, ECOP 3902, ECOP 2001, 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. <i>NB: Department permission required for enrolment.</i>	1
ECOP 4002 Political Economy Honours B	12	P ECOP 2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other snr ECOP units. C ECOP 4001.	1
ECOP 4003 Political Economy Honours C	12	P ECOP 2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other snr ECOP units. C ECOP 4002.	2
ECOP 4004 Political Economy Honours D	12	P ECOP 2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other snr ECOP units. C ECOP 4003.	2
■ Psychology			
PSYC 1001 Psychology 1001	6		1, Summer
PSYC 1002 Psychology 1002	6		2, Summer
PSYC 1551 Psychology Exchange	6	<i>NB: Department permission required for enrolment.</i>	1, 2
PSYC 2111 Learning, Neuroscience and Perception	4	Q PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry).	1
PSYC 2112 Psychological Statistics	4	Q PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry).	1
PSYC 2113 Cognitive Processes & Social Psychology	4	Q PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry).	2
PSYC 2114 Personality and Individual Differences	4	Q PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry).	2
PSYC 2551 Psychology Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
PSYC 2552 Psychology Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
PSYC 2553 Psychology Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2
PSYC 3201 Statistics and Psychometrics	4	P 8 credit points of Intermediate Psychology including PSYC 2112. <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	2
PSYC 3202 History and Philosophy of Psychology	4	P 12 credit points of Intermediate Psychology. <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	1
PSYC 3203 Abnormal Psychology	4	P PSYC 2111 and PSYC (2113 or 2114). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	2
PSYC 3204 Behavioural Neuroscience	4	P 8 credit points of Intermediate Psychology including PSYC 2111. <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	2
PSYC 3205 Cognition, Language and Thought	4	P PSYC (2112 and 2113). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	1
PSYC 3206 Developmental Psychology	4	P 8 credit points of Intermediate Psychology. <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	1
PSYC 3209 Learning and Motivation	4	P PSYC (2111 and 2112). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	1
PSYC 3210 Perceptual Systems	4	P PSYC (2111 and 2112). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	1
PSYC 3211 Psychological Assessmt. & Organisational	4	P PSYC (2112 and 2114). N PSYC 3207 (except with permission from the Head of Department). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	2
PSYC 3212 Social Psychology	4	P 8 credit points of Intermediate Psychology including PSYC 2113. <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	1
PSYC 3214 Communication and Counselling	4	P PSYC (2113 and 2114). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	2
PSYC 3215 Cognitive Neuroscience & Neuropsychology	4	P Two of PSYC (2111, 2112, 2113). <i>NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major.</i>	2
PSYC 3551 Psychology Exchange	4	<i>NB: Department permission required for enrolment.</i>	1, 2

Table of units of study (Part B) (continued)

Unit of study	CP	A: Assumed knowledge	P: Prerequisite	Q: Qualifying	C: Corequisite	N: Prohibition	Session
PSYC 3552 Psychology Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
PSYC 3553 Psychology Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
PSYC 3554 Psychology Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
PSYC 3555 Psychology Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
PSYC 3556 Psychology Exchange	4		<i>NB: Department permission required for enrolment.</i>				1, 2
PSYC 4011 Psychology Honours A	12		<i>NB: Department permission required for enrolment.</i>				1, 2
PSYC 4012 Psychology Honours B	12	c PSYC 4011.					1, 2
PSYC 4013 Psychology Honours C	12	c PSYC 4012.					1, 2
PSYC 4014 Psychology Honours D	12	c PSYC 4013.					1, 2
■ Psychology for Social Work							
SCWK 2001 Psychology for Social Work 201	8	P 48 credit points. N PSYC 2111–2114. <i>NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.</i>					1
SCWK 2002 Psychology for Social Work 202	8	P 48 credit points and SCWK 2001 Psychology for Social Work 201. N PSYC 2111–2114. <i>NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.</i>					2

6 Economics and Business units of study

Units of study in this chapter are listed by unit code. To find a unit of study by name, refer to the index at the back of this handbook. Students should always check unit of study availability with the relevant department.

■ Accounting

ACCT 1001 Accounting IA

6 credit points. **Session:** 1, 2. **Classes:** 2hr lecture, 2hr tutorial/week. **Assumed knowledge:** HSC Mathematics. **Assessment:** Mid-semester exam, Tutorial assignments, Research assignment, Practice Set, Final exam.

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. **Session:** 1, 2, Summer. **Classes:** 2 lectures, 1 tutorial/week. **Prerequisite:** ACCT 1001. **Assessment:** Mid-semester test, Final exam, Financial statement analysis assignment based on both financial and management accounting content, Weekly assignments.

NB: Restricted entry

Accounting is about the use of information to make economic decisions. Accounting IB builds on the content and skills developed in Accounting IA. More specifically it (a) examines problems in identifying, measuring, recording and interpreting economic information used for both internal and external decision making; (b) develops an awareness of ethics and how ethical issues affect society, including people working in commerce, and the decision making of a wide group of stakeholders; (c) explicitly develops students' ability to communicate orally and in writing, and their ability to work effectively in teams. It is obvious that accounting requires familiarity with technical rules and procedures. However, technical rules do not always provide clear guides; principles sometimes conflict. In these instances, it is necessary to use sound argument and judgement in devising a solution. The course material and assessment are designed to help students develop the necessary analytical, written and oral communication skills to make appropriate judgement and to convey their reasoning confidently in different media.

ACCT 1003 Financial Accounting Concepts

6 credit points. **Session:** 1. **Classes:** 2 lectures/week. **Prohibition:** Terminating unit. Cannot be counted with ACCT 1001 and ACCT 1002. **Assessment:** Group assignment; Mid-semester exam; Final exam.

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. **Session:** 2. **Classes:** 3 hours of lectures – one 2hr lecture and one 1 hour lecture/week. **Prohibition:** Terminating unit. Cannot be counted with ACCT 1001 and ACCT 1002. **Assessment:** Mid-semester exam; Final exam; Progressive assessment.

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 2001 Financial Accounting A

8 credit points. **Session:** 1, 2, Summer. **Classes:** 2hr lecture, 2hr tutorial/week. **Prerequisite:** ACCT 1001, ACCT 1002 and ECMT 1010. **Assessment:** Mid-semester test; Tutorial assignments; Research project; Final exam.

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 2002 Management Accounting A

8 credit points. **Session:** 1, Summer. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ACCT 1001 and ACCT 1002. **Assessment:** Mid-semester exam; Progressive assessment; Final exam.

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 2101 Accounting Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ACCT 2102 Accounting Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ACCT 3001 Financial Accounting B

8 credit points. **Session:** 1, 2. **Classes:** 2hr lecture, 2hr tutorial/week. **Prerequisite:** ACCT 2001. **Assessment:** Mid-semester examination; Tutorial assessment; Case studies; Final exam.

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 goodwill and outside equity interests, foreign currency transactions and translation, equity accounting and consolidated statements of cash flow. This course attempts to develop students' understanding of disclosure and valuation issues in accounting and their ability to understand and critically evaluate current accounting regulations and practice.

ACCT 3002 Management Accounting B

8 credit points. **Session:** 2. **Classes:** 2 lectures, 1 tutorial & 1 practical/week. **Prerequisite:** ACCT 2002. **Assessment:** 2 Case study analyses; Final exam.

This unit provides students with an analysis of basic managerial problems focusing on the role of the management accountant in today's changing manufacturing and business environment. Concentrating on organisational and behavioural issues it contrasts with the rather technical approach of Management Accounting A. Topics include: decentralisation and transfer pricing and motivation; behavioural consequences (motivation, etc.) of budgeting and control systems; recent developments such as Just-In-Time inventory management, total quality management, activity based costing and capital budgeting.

ACCT 3003 Financial Statement Analysis

8 credit points. **Session:** 1. **Classes:** 2 lectures, 1 workshop, 1 tutorial/wk. **Prerequisite:** ACCT 2001 and FINC 2001. **Assessment:** 3 Group case studies; Tutorial participation; Final exam.

Although the appropriate 'form' of financial analysis depends largely on the specific context (eg, 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 3004 Auditing

8 credit points. **Session:** 2, Summer. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ACCT 3001. **Assessment:** One 2hr exam, Mid-semester exam, Case study, Weekly assignments.

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. Guest speakers from accounting firms and business provide practical examples of the topics discussed in lectures. The students are also exposed to current cases to assess the application of auditing procedures.

ACCT 3101 Accounting Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ACCT 3102 Accounting Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ACCT 4101 Accounting Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** B Com, major in ACCT with Credit average. **Assessment:** Course work 50%; Thesis 50%.

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/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. **Session:** 1, 2. **Prerequisite:** B Com, major in accounting with a credit average. **Corequisite:** ACCT 4101.

Assessment: Course work 50%; Thesis 50%.

ACCT 4103 Accounting Honours C

12 credit points. **Session:** 1, 2. **Prerequisite:** B Com, major in accounting with a credit average. **Corequisite:** ACCT 4102.

Assessment: Course work 50%; Thesis 50%.

ACCT 4104 Accounting Honours D

12 credit points. **Session:** 1, 2. **Prerequisite:** B Com major in accounting with a credit average. **Corequisite:** ACCT 4103. **Assessment:** Course work 50%; Thesis 50%.

■ Business Information Systems**INFS 1000 Business Information Systems Foundations**

6 credit points. **Session:** 1, 2, Summer. **Prerequisite:** None.

Prohibition: ISYS 1003. **Assessment:** Quizzes; Tutorial exercises; Individual assignment; Final exam.

The Information age, with its focus on information as a key business resource, has changed the way the role of Information Technology (IT) and Business Information Systems (BIS) in organisations is viewed. In previous years, people approached IT primarily as a tool to increase efficiency, either by cutting costs, time or energy spent. In the information age, however, the role of IT 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 are managed, and shows how business information systems support business operations and management. The unit covers the technical foundations of information systems and how technology is critical to the success of business. Students learn and develop sound programming concepts with their use of VBA for Excel.

INFS 2000 Business Information Systems

8 credit points. **Session:** 1, 2. **Prerequisite:** ACCT 1002 or 1004 and INFS 1000 or ISYS 1003. **Prohibition:** ACCT 2003. **Assessment:** Major assignment; Mid-semester test; Tutorial participation; Final exam.

This unit is designed to help you understand i) the information environment of the firm from the perspective of users, evaluators and designers and ii) how business processes impact on the appropriateness of the design of appropriate information systems. This unit employs a conceptual framework to emphasise the professional and legal responsibility of management for the design, operation and control of business information system applications. This responsibility pertains to business events that are narrowly defined as accounting transactions. This unit also recognises that the systems that process non-financial transactions are not subject to the same standard of design, operation and control, but that in order to support the information needs of all users in a modern organisation both accounting and non-accounting functions must be integrated. While providing a benefit to the organisation a potential consequence of such integration is a loss of control; hence approaches and methodologies to mitigate these control risks are reviewed. The unit also examines various approaches and methodologies used in design, including structured design, computer aided software engineering and prototyping.

INFS 2005 Business Process Integration & Modelling

8 credit points. **Session:** 2. **Prerequisite:** INFS 2000 or ACCT 2003.

Assessment: Tutorial participation; Major assignment; Final exam.

This unit provides an overview of business process integration from the management perspective in the context of integrated information systems and inter-enterprise integration models. It describes the concepts, strategies, tools and technologies for modelling, analysis and redesign of business processes and their integration. It provides basic understanding of the enterprise resource planning or packaged software solutions and the application integration. It explores the various technologies, models and middleware available for the integration of various business applications in business-to-business (B2B) situations to facilitate the efficient convergence of technology and business. This unit is process-oriented and views the functioning of business from a holistic and integrated perspective rather than from a simple functional perspective.

INFS 3000 Management Information Systems

8 credit points. **Session:** 1. **Prerequisite:** INFS 2000 or ACCT 2003.

Assessment: Tutorial participation; Major assignment; Final exam.

This unit is intended to consolidate your knowledge of the ways that information technology may be used in organisations to improve organisational effectiveness. This unit focuses on management applications of Information Technology (IT) and IT management in organisations. Successful businesses have long recognised that information is a resource that must be managed. Problems arise from too much or too little information improperly correlated or analysed and information distributed in an inefficient or inappropriate manner. This unit prepares students for the challenges of managing information from the end-user perspective.

INFS 3005 Enterprise Systems

8 credit points. **Session:** 1. **Prerequisite:** INFS 2005 or ACCT 2003.

Assessment: Tutorial participation/minor assignments 20%; Mid-semester exam (theory and lab) 20%; Major assignment 20%; Final exam 40%.

This unit provides an overview of enterprise-wide computing and integrated enterprise systems concepts with the help of packaged software solutions. This unit describes the concepts of enterprise resource planning (ERP). Students gain exposure to the functionality of enterprise-wide systems such as SAP R/3 and gain a high level understanding of its underlying business processes and their method of integration. This unit provides a thorough understanding of the process flows in procurement, production management, customer ordermanagement, customer service and financial accounting and controlling through detailed exploration of the SAP R/3 system software. The integrative

capabilities of enterprise system software, its potential benefits and limitations to the businesses are highlighted throughout.

INFS 3010 IT Assurance and Control

8 credit points. **Session:** 1. **Prerequisite:** INFS 2000 or ACCT 2003. **Prohibition:** ACCT 3005. **Assessment:** Practical assignment; Mid-semester test; Tutorial participation; Final exam.

Critically important to the success and survival of an organisation is effective management and control of information and related Information Technology (IT). This criticality arises from i) increasing dependence on information and the systems that deliver this information, ii) increasing vulnerabilities and a wide spectrum of threats, such as cyber threats and information warfare, iii) scale and cost of the current and future investments in information and information systems, and iv) potential for technologies to dramatically change organisations and business practices, create new opportunities, and reduce costs.. This unit examines ways in which accountants, information systems auditors, management and process users bridge the gaps between business risks, control needs and technical issues. It provides good exposure across a domain and process framework and presents activities in a manageable and logical structure

INFS 3015 Knowledge Management Systems

8 credit points. **Session:** 1. **Prerequisite:** INFS 2000 or ACCT 2003 and at least 48 credit points. **Assessment:** Individual assignment; Class participation; Final exam.

This unit introduces the concept of knowledge management and the systems that enable the acquisition, storage, distribution and processing of knowledge. It is concerned with the way organisations generate, communicate, and leverage their intellectual assets. An understanding of Knowledge Management Systems complements accounting and/or management skills. It has emerged as the information economy's essential source of competitive advantage. The unit begins by defining what knowledge is and the types of knowledge that exists. It then examines how systems thinking is integral to the understanding and management of knowledge. Economic issues relevant to knowledge management and the unique and vital role that information systems and IT play are also examined. The unit then explores the knowledge management process, specifically focusing on the system involved in acquiring, storing, distributing and processing of knowledge. The role of organisational learning and how knowledge management and the world wide web are interrelated are also explored.

INFS 3020 E-Commerce Business Models

8 credit points. **Session:** 2. **Prerequisite:** One of INFS 1000, ISYS 1003 and INFO 1000. Also at least 48 credit points. **Prohibition:** ACCT 3006. **Assessment:** Tutorials; Examinations; Group project; Individual assignments.

This unit provides a detailed overview of the concepts and processes used in doing business electronically. It will provide a basic understanding of e-commerce business models and their evaluation. This course provides a strong knowledge foundation to students to work in the new digital economy and e-business era. This course offers concepts and tools that students in commerce need to analyze, synthesize and implement e-business models. Importantly, this course will provide the critical link between technologies and firm's performance and takes a business management perspective in teaching and learning. The emphasis will be on the way technologies enable the business and its effective management, rather than the technologies itself.

INFS 3090 Business Information Systems Project

8 credit points. **Session:** 1, 2. **Prerequisite:** Department permission and at least 48 credit points. **Assessment:** Project 100%.

NB: Department permission required for enrolment.

■ Commercial Law

CLAW 1001 Commercial Transactions A

6 credit points. **Session:** 1, 2. **Classes:** 3 lectures & 1 tutorial/week. **Assessment:** Exam, Test, Essays, Classwork.

This unit 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. Basic elements of criminal law and law of torts (in particular, negligence and negligent misstatement) are then examined. 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 (elements of a contract, terms of a contract, matters affecting the validity and enforcement of contracts, termination, remedies for a breach of contract). The unit concludes with an overview of the law of agency.

CLAW 1002 Commercial Transactions B

6 credit points. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** CLAW 1001. **Assessment:** Tutorial assessment; Mid-semester exam; Final exam.

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 intellectual 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 1101 Commercial Law Exchange

6 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

CLAW 2001 Corporations Law

8 credit points. **Session:** 1, 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** Any 4 full semester first year units of study including CLAW 1001. **Assessment:** Mid-semester exam (take home); Final exam.

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 Stock Markets and Derivatives Law.

CLAW 2002 Bankruptcy and Insolvency

8 credit points. **Session:** 2. **Classes:** 3 lectures and 1 tutorial/week. **Prerequisite:** CLAW 2001. **Assessment:** Test; Assignment; Classwork; Final exam.

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. Also explored is the structure of the insolvency profession and proposals for reform.

CLAW 2003 Stock Markets and Derivatives Law

8 credit points. **Session:** 2. **Classes:** 3 lectures & 1 seminar/week. **Prerequisite:** CLAW 2001. **Assessment:** Assignment; Test; Final exam.

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 will be examined and the relationship between broker and client. The market offences of market manipulation and insider trading will be explored. Public funding of companies and prospectus provisions will be studied and the liability of officers and independent experts concerning the prospectus. The topic of mergers and acquisitions will examine acquisitions, relevant interests, takeover schemes and announcements, and the liability of parties to a takeover. Exchange traded futures and options and OTC derivatives will be examined.

CLAW 2004 Banking and Finance Law

8 credit points. **Session:** 1. **Classes:** 3 lectures & 1 seminar/week. **Prerequisite:** CLAW 1001. **Assessment:** Tests; Assignments.

Students are introduced to the regulatory structure and its impact on banking practice. The relationship between banker and customer and the duties of the parties are analysed.

Issues relating to financial advice, electronic banking, risk management securitisation and loan security are discussed. Students also become familiar with the legal implications of trading negotiable instruments and raising funds by means of international loans, project financing and syndication.

CLAW 2005 Trade Practices and Consumer Law

8 credit points. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** CLAW 1001. **Assessment:** Test; Assignment; Tutorial work; Final exam.

This unit is concerned with the provisions in the Trade Practices Act 1974 (Cwth) dealing with restrictive trade practices, unconscionable conduct and consumer protection. Topics to be studied in depth include: anti-competitive agreements, misuse of market power, exclusive dealing, resale price maintenance, mergers and acquisitions, misleading or deceptive conduct, unfair practices, product safety and product information, conditions and warranties in consumer transactions, liability of manufacturers and importers and unconscionable conduct. Comparable state legislation is also studied.

CLAW 2006 Legal Issues for eCommerce

8 credit points. **Session:** 1, 2. **Prerequisite:** 48 credit points at level 1000. **Assessment:** Literature review; Business report; Optional assignments.

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 or knowledge of the electronic media. The unit will also cover basic introductory legal skills such as legal research and legal writing and citation as well as provide an introduction to electronic commerce, the history and operation of the Internet and major tools used in electronic commerce. Students with previous knowledge in these areas will not need to attend these sections of the unit.

CLAW 2101 Commercial Law Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

CLAW 3001 Australian Taxation System

8 credit points. **Session:** 1. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** CLAW 2001. **Assessment:** Tutorial assessment; Two class tests; Assignment; Final exam.

The introductory part of a subject which is primarily concerned with 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 study of the general antiavoidance disclosure sections.

CLAW 3002 Tax Strategies in a Business Environment

8 credit points. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** CLAW 2001, CLAW 3001. **Assessment:** Classwork 30%; Assignment 20%; Final exam 50%.

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 course emphasises business tax planning issues.

CLAW 3005 Marketing and the Law

8 credit points. Ms Pearl Rozenberg. **Session:** 1. **Classes:** 2 lectures & 1 tutorial/week. **Assumed knowledge:** Students enrolled in the Marketing major must complete MKTG 1001 or MKTG 2001 as a prerequisite.

Students enrolled in the Commercial Law major or taking the unit as an elective must complete 8 junior units as a prerequisite. **Prohibition:** CLAW 2005, MKTG 3005. **Assessment:** TBA.

This unit is designed primarily for students undertaking a marketing or commercial law major who have an interest in marketing. It covers the legal regulation of the marketing of goods and services. The topics examined will focus on management decisions such as intellectual property protection (copyright, patent, design, trade secrets, passing off and trade designations such as trade marks and domain names), packaging and labeling requirements, product liability, advertising regulation and competition law (collusion, misuse of market power, exclusive dealing) as well as consumer decisions such as consumer protection regimes, health and safety, defamation etc. Inherent in the above analysis will be looking at current regulation as well as new regulations covering new areas such as the Internet and other technologies now being used to assist in marketing or selling goods. Combined, students will have an understanding of the legal regime in which marketing decisions need to be made.

■ Econometrics and Business Statistics

ECMT 1010 Business and Economic Statistics A

6 credit points. **Session:** 1, 2, Summer. **Prohibition:** ECMT 1011, ECMT 1012, ECMT 1013, MATH 1015, MATH 1005, MATH 1905, STAT 1021. **Assessment:** Quizzes 10%; Tutorial Questions 10%; Exams 70%; Assignment 10%.

This unit of study provides an introduction to basic statistics and its applications in economics and business disciplines. Topics will include: methods for data management, analysing and interpreting 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 will be 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. **Session:** 2, Summer. **Corequisite:** ECMT 1010. **Prohibition:** ECMT 1021, 1022 and 1023. **Assessment:** 2 Quizzes 10%; Tutorial questions 10%; Mid-semester examination 20%; Assignment 10%; Final exam 50%.

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, Business and Economic Statistics A by introducing further tools (and their applications) for use in economics, finance, marketing and accounting. This unit will feature 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 will be expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

ECMT 2010 Regression Modelling

8 credit points. Robert Bartels. **Session:** 1. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 1010 and ECMT 1020. **Assessment:** Workbooks 20%; Project 15%; Mid-semester exam 15%; Final exam 50%.

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. We demonstrate 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 analyzing data. An important task will be the computing component using econometric software.

ECMT 2021 Analysis of Discrete Choice Data

8 credit points. Hajime Katayama. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Assessment:** Workbooks 10%; Project 20%; Mid-semester Exam 20%; Final exam 50%.

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 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 analyze such questions. These may include the logit, probit and multinomial logit models. Special emphasis will be placed on illustrating the appropriate application of such models using case studies and data drawn from marketing, accounting, finance and economics.

ECMT 2030 Financial Econometrics

8 credit points. Michael Smith. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Assessment:** Assignments x 2 40%; Final exam 60%.

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 aims to provide an introduction to some of the widely used econometric models for financial data and the procedures used to estimate them. Special emphasis will be 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 2101 Econometrics Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECMT 2102 Econometrics Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECMT 2720 Management Science

8 credit points. **Session:** 2. **Classes:** (3 lectures & 1 tutorial)/week.

Prerequisite: ECMT 1010 and ECMT 1020. **Assessment:** Assignments x 2 20%; Test 15%; Final exam 65%.

NB: Students who wish to take only part of the sequence of units of study in Management Science should apply to the Chair of the Econometrics and Business Statistics Discipline for any exemption from the stated prerequisites and corequisites.

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 3010 Econometric Models and Methods

8 credit points. Jayne Toman. **Session:** 1. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Assessment:** Class tests x 2 30%; Assignment 20%; Final exam 50%.

Methods of estimation and testing developed in association with regression analysis are extended to cover econometric models involving special aspects of behaviour and of data. In particular, motivating examples will be 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 will be developed and discussed.

ECMT 3020 Applied Econometrics

8 credit points. Robert Bartels. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 3010. **Assessment:** Project 20%; Final exam 80%.

Econometric theory provides the techniques needed to qualify the strength and form of relationships between variables. Applied econometrics is concerned with the strategies that need to be employed to use these techniques effectively. This unit illustrates how econometric models and methods can be applied to data to

solve problems that arise in economics and business. General principles for undertaking applied work will be discussed and necessary research skills developed. In particular we stress the links between econometric models and the underlying substantive knowledge or theory associated with the particular application. Topics may include error correction models, systems of consumer demand equations, and structural and vector autoregressive (VAR) macroeconomic models. Research papers involving empirical research will be studied and an integral component of the unit will be a major project involving a substantial piece of econometric modelling.

ECMT 3030 Forecasting for Economics and Business

8 credit points. Murray Smith. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Assessment:** Assignments 20%; Tests x 2 40%; Final exam 40%.

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 is intended to provide a first course in methods of time series analysis and forecasting. The material covered will be primarily time domain methods designed for a single series and will include 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 will be maintained between theory and practical application.

ECMT 3101 Econometrics Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECMT 3102 Econometrics Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECMT 3210 Statistical Modelling

8 credit points. Murray Smith. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Prohibition:** ECMT 3720. **Assessment:** Assignments 20%; Tests 40%; Final exam 40%.

This course 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 will be applied to various modelling situations and decision making problems in business and economics.

ECMT 3710 Management Science Models and Methods

8 credit points. **Session:** 1. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Assessment:** Assignments x 4/case study 40%; Tests x 2 20%; Final exam 40%.

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 program includes a variety of case studies incorporating commercial research processes for decision support.

ECMT 3720 Stochastic Modelling for Management

8 credit points. Murray Smith. **Session:** 2. **Classes:** 3 lectures & 1 tutorial/week. **Prerequisite:** ECMT 2010. **Prohibition:** ECMT 3210. **Assessment:** Project 15%; Quiz x 3 85%.

Much decision making in a managerial environment involves uncertainty and any decision is only as good as one's knowledge of the uncertainties. The course starts with reviewing probability theory. Then birth-death processes are looked at with examples from memoryless queues and maintenance policies. Next we show 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, will be looked at and, if time permits, we will deal with Markov chain modelling and analysis.

ECMT 4101 Econometrics Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Credit average in six semester courses taken in the Discipline of Econometrics and Business Statistics at the 2–3000 level, but including 2010, 2720, 3010 and 3020 or with permission of the Chair 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 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 thesis not exceeding 70 A4 pages of typescript, and (c) attend and participate in departmental research seminars.

The thesis topic must be approved by the department and progress reports are to be presented every semester.

Candidates must enrol in ECMT 4102, ECMT 4103 and ECMT 4104 to complete the honours degree.

ECMT 4102 Econometrics Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ECMT 4101.

ECMT 4103 Econometrics Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ECMT 4102.

ECMT 4104 Econometrics Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ECMT 4103.

ECMT 4601 Management Science Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** Credit average in six semester courses taken in the Discipline of Econometrics and Business Statistics at the 2–3000 level, but including 2010, 2720, 3710 and 3720 or with permission of the Chair 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 year provides basic professional expertise in the general area of management science, 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 thesis not exceeding 70 A4 pages of typescript, and (c) attend and participate in departmental research seminars.

The thesis topic must be approved by the department and progress reports are to be presented every semester.

Units are normally selected from the following (not all of which may be offered in any one year and other units may also be offered):

- 4511 Simulation
- 4520 Applied operations research
- 4531 Game theory
- 4540 Applied general equilibrium modelling
- 4210 Static optimisation
- 4220 Dynamic optimisation
- 4230 Special topic.

Some courses may be taken in related departments.

ECMT 4602 Management Science Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ECMT 4601.

ECMT 4603 Management Science Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** ECMT 4602.

ECMT 4604 Management Science Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ECMT 4603.

■ Economic History

ECHS 2101 Economic History Exchange

8 credit points. **Session:** 1, 2. **Assessment:** As per the requirements of the host institution.

NB: Department permission required for enrolment.

‘This unit allows Faculty of Economics and Business students to have credited towards their degree a unit in economic history taken at an overseas university. Enrolment is subject to the approval of the Chair of Discipline and, to obtain approval, students must provide a copy of the official description of the unit they wish to study at the overseas university

ECHS 2102 Economic History Exchange

8 credit points. **Session:** 1, 2. **Assessment:** As per the requirements of the host institution.

NB: Department permission required for enrolment.

‘This unit allows Faculty of Economics and Business students to have credited towards their degree a unit in economic history taken at an overseas university. Enrolment is subject to the approval of the Chair of Discipline and, to obtain approval, students must provide a copy of the official description of the unit they wish to study at the overseas university

ECHS 2303 Economic Development of Southeast Asia

8 credit points. Dr Lily Rahim. **Session:** 1. **Prerequisite:** Any four first year units of study. **Assessment:** Tutorial presentation and participation 30%; Mid-semester exam 10%; Essay 30%; Final exam 30%.

Until the recent East Asian economic 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 commercial community in Australia. However, there is limited consensus about the causes for the region’s economic performance during the ‘boom years’, current recession and its future prospects. 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 patterns of development.

The significance of Southeast Asia’s pre-colonial commercial activities and its deepening integration into the capitalist world economy with the advent of colonialism will be investigated. In particular, the emergence of the export-based colonial economy, economic function and impact of large-scale immigration on the colonial and post-colonial societies will be studied. Economic policies such import-substitution industrialisation (ISI) and export-oriented industrialisation (EOI), the salience of socio-economic and ethnic tensions and the efficacy of ASEAN will also be analysed.

ECHS 2304 Economic Development of Modern Japan

8 credit points. Dr Lily Rahim. **Session:** 2. **Prerequisite:** Any four first year units of study. **Assessment:** Tutorial presentation and participation 25%; Mid-semester exam 20%; Essay 25%; Final exam 30%.

This unit analyses the myriad processes that have contributed towards Japan’s transformation from a pre-industrial society to an economic superpower. It attempts to locate modern Japanese economic history within a broader historical, international and comparative context. In chronological terms, the course will commence from the Tokugawa era, progress to the Meiji and Showa period and examine the major economic and socio-political issues, trends and challenges confronting contemporary Heisei Japan. How unique is Japan’s experience of high-speed growth in the post-war decades? To what extent can it be attributed to the interventionist hand of the developmental state? Is there a need for the state to be less interventionist in view of the recent challenges confronting Japan’s economy? What can other newly industrializing countries learn from the Japanese model? To what extent have East Asian economies been inspired and shaped by Japanese capital, technology and patterns of business organization? In what ways have the processes of globalization impacted on the distinctive institutional structures and systems in Japan? Can and should the Japanese economy converge with Western style market-based capitalism? As Japan is Australia’s largest trading partner, the trajectory of Australia-Japanese relations will also be examined. These are some of the salient issues that will be explored.

ECHS 2328 The Politics of e-Commerce

8 credit points. Prof B Tipton. **Session:** 1. **Classes:** Two lectures and one tutorial per week. **Prerequisite:** Any four first year units of study. **Assessment:** Participation 20%; Group project 40%; Final exam 40%.

‘Who rules? No one rules the net and no one controls e-commerce. Globalisation effaces boundaries, levels playing fields across the world, and creates a new universal environment where all compete on even terms. Or so we are told. But we are also told that e-commerce poses serious threats, to existing business, to workers, to consumers, to marginal groups, and to governments. This course examines the evolving e-commerce environment in a comparative framework. The problems of e-commerce are calling forth new forms of surveillance and control on the borders between the public and the private. Firms move both to protect themselves and to exploit their competitive position. Governments create new consultative, regulatory, and supervisory agencies. Non-governmental organisations press for action to enable and empower their members. Political, social, economic, and technological structures are interacting in new

ways, and those entering government and business positions will need to be aware of these processes.

ECHS 3101 Economic History Exchange

8 credit points. **Session:** 1, 2. **Assessment:** As per the requirements of the host institution.

NB: Department permission required for enrolment.

ECHS 3102 Economic History Exchange

8 credit points. **Session:** 1, 2. **Assessment:** As per the requirements of the host institution.

NB: Department permission required for enrolment.

ECHS 4501 Economic History Honours A

12 credit points. **Session:** N/A in 2004. **Classes:** 2hr seminar per week. **Prerequisite:** Credit in ECHS 3402. Requirements for the pass degree must be completed before entry to Level 4000 honours units of study. **Assessment:** Three 2000w seminar papers, one 10,000–12,000w thesis.

This unit consists of a year-long seminar stream on historiography, for which seminar papers will be presented, and work under individual supervision on a thesis.

Candidates must enrol in ECHS 4502, ECHS 4503 and ECHS 4504 to complete the honours year.

ECHS 4502 Economic History Honours B

12 credit points. **Session:** N/A in 2004. **Corequisite:** ECHS 4501.

ECHS 4503 Economic History Honours C

12 credit points. **Session:** N/A in 2004. **Corequisite:** ECHS 4502.

ECHS 4504 Economic History Honours D

12 credit points. **Session:** N/A in 2004. **Corequisite:** ECHS 4503.

■ Economics

ECON 1001 Introductory Microeconomics

6 credit points. **Session:** 1, Summer. **Assumed knowledge:** Mathematics.

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. **Session:** 2, Summer. **Assumed knowledge:** Mathematics.

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 2001 Intermediate Microeconomics

8 credit points. **Session:** 1, Summer. **Prerequisite:** ECON 1001. **Corequisite:** ECMT 1010 or 101X. **Prohibition:** ECON 2901.

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.

ECON 2002 Intermediate Macroeconomics

8 credit points. **Session:** 2, Summer. **Prerequisite:** ECON 1002.

Corequisite: ECMT 1020 or 102X. **Prohibition:** ECON 2902.

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.

ECON 2101 Economics Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** ECON 1001 and ECON 1002.

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 ECON 2000-level subject

ECON 2102 Economics Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** ECON 1001 and ECON 1002.

NB: Department permission required for enrolment.

ECON 2901 Intermediate Microeconomics Honours

8 credit points. **Session:** 1. **Prerequisite:** ECON 1001 and ECON 1002 with a credit average or better in the two subjects combined.

Corequisite: ECON 2903 and ECMT 1010 or ECMT 101X. **Prohibition:** ECON 2001.

NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics. Comprises lectures based upon the curriculum for ECON 2001: Intermediate Microeconomics, supported by a seminar for one hour a week. The content of lectures will reflect a more analytical and critical treatment of the topics than ECON 2001. 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.

ECON 2902 Intermediate Macroeconomics Honours

8 credit points. **Session:** 2. **Prerequisite:** ECON 2901. **Corequisite:** ECON 2904 and ECMT 1020 or ECMT 102X. **Prohibition:** ECON 2002.

NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics. Comprises lectures based upon the curriculum for ECON 2002: Intermediate Macroeconomics, supported by a seminar for one hour a week. The content of lectures will reflect a more intensive treatment of the topics than ECON 2002. Topics to be 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.

ECON 2903 Mathematical Economics A

4 credit points. **Session:** 1. **Corequisite:** ECON 2901.

Provides an introduction to mathematical techniques commonly employed by economists. The syllabus includes: limits, continuity, differentiation of single- and multi-variable functions, unconstrained and constrained optimisation.

ECON 2904 Mathematical Economics B

4 credit points. **Session:** 2. **Prerequisite:** ECON 2903. **Corequisite:** ECON 2902.

This unit follows on from ECON 2903. The syllabus includes: integration techniques, linear algebra (with applications to comparative statics and optimisation) and economic dynamics.

ECON 3001 Capital and Growth

8 credit points. **Session:** 1. **Prerequisite:** One of ECON 2001, ECON 2901, ECOP 2001, plus one of ECON 2002, ECON 2902, ECOP 2002.

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 will be studied from the point of view of alternative economic theories. The potential effects of growth and structural change on welfare, income distribution, and employment will be studied in the same contexts with some consideration of the empirical evidence. The role of alternative economic policies and economic institutions in promoting growth will be discussed.

ECON 3002 Development Economics

8 credit points. **Session:** 2. **Prerequisite:** One of ECON 2001, ECON 2002, ECON 2901, ECON 2902.

This unit of study 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 will closely study 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.

ECON 3003 Hierarchies, Incentives & Firm Structure

8 credit points. **Session:** 1. **Prerequisite:** One of ECON 2001, ECON 2901.

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.

ECON 3004 History of Economic Thought

8 credit points. **Session:** 2. **Prerequisite:** One of ECON 2001, ECON 2002, ECON 2901, ECON 2902, ECOP 2001, ECOP 2002.

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.

ECON 3005 Industrial Organisation

8 credit points. **Session:** 2. **Prerequisite:** One of ECON 2001, ECON 2901.

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.

ECON 3006 International Trade

8 credit points. **Session:** 1. **Prerequisite:** One of ECON 2001, ECON 2901.

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.

ECON 3007 International Macroeconomics

8 credit points. **Session:** 1, Summer. **Prerequisite:** One of ECON 2002, ECON 2902.

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.

ECON 3008 Labour Economics

8 credit points. **Session:** 2. **Prerequisite:** One of ECON 2001, ECON 2901, ECOP 2001, plus one of ECON 2002, ECON 2902, ECOP 2002.

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.

ECON 3009 Markets, Regulation & Government Policy

8 credit points. **Session:** 2. **Prerequisite:** One of ECON 2001, ECON 2901, ECOP 2001 plus one of ECON 2002, ECON 2902, ECOP 2002.

This unit of study addresses contemporary economic issues drawn from a particular area. The focus of the unit will vary from year to year. Examples include housing economics, health economics, trade practices or economics in transition. It will show how economic analysis is used to provide an understanding of particular markets, emphasising the institutional setting and the economic rationales for government intervention.

ECON 3010 Monetary Economics

8 credit points. **Session:** 1. **Prerequisite:** One of ECON 2001, ECON 2901, ECON 2002, ECON 2902.

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.

ECON 3011 Public Finance

8 credit points. **Session:** 1. **Prerequisite:** One of ECON 2001, ECON 2901.

Public Finance is about the taxing and spending decisions of governments. The unit will cover 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.

ECON 3012 Strategic Behaviour

8 credit points. **Session:** 2. **Prerequisite:** One of ECON 2001, ECON 2901.

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 of study 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 will investigate its repercussions for the theory of bargaining and for the evolution of social institutions.

ECON 3101 Economics Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** ECON 2001 and ECON 2002 or ECON 2901 and ECON 2902.

NB: Department permission required for enrolment.

ECON 3102 Economics Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** ECON 2001 and ECON 2002 or ECON 2901 and ECON 2902.

NB: Department permission required for enrolment.

ECON 3103 Special Topics in Economics

8 credit points. **Session:** 1, 2. **Prerequisite:** ECON 2001 and ECON 2002 or ECON 2901 and ECON 2902.

NB: Department permission required for enrolment.

ECON 3901 Advanced Microeconomics: Theory & Policy

8 credit points. **Session:** 1. **Prerequisite:** ECON 2901, ECON 2902, ECON 2903, and ECON 2904 with a credit average or better over the four units combined. **Corequisite:** ECMT 2010.

NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECON 3001 to ECON 3012 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.

ECON 3902 Advanced Macroeconomics: Theory & Policy

8 credit points. **Session:** 2. **Prerequisite:** ECON 3901 and ECMT 2010.

NB: Students intending to proceed to fourth year Economics Honours must also complete at least one unit of study from ECON 3001 to ECON 3012 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.

ECON 4101 Economics Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** The prerequisite for entry to Economics Honours is at least 24 credit points at 3000 level Economics, including Advanced Microeconomics: Theory and Policy (ECON 3901) and Advanced Macroeconomics: Theory and Policy (ECON 3902) with a credit average or better in ECON 3901 and 3902; and Regression Modelling (ECMT 2010).

NB: Department permission required for enrolment.

Requirements for the Pass degree must be completed before entry to 4000 level Honours units of study.

Students may complete the requirements for final honours in 3 ways:

- (a) by taking full coursework;
- (b) by taking three quarters coursework and a minor thesis;
- (c) by taking half coursework and a major thesis.

The options available will be drawn from the following schedule (though some may not be available in any given year): advanced macroeconomics, advanced microeconomics, economic classics, economic development, economic planning, public economics, international economics and labour economics.

Candidates must enrol in ECON 4102, ECON 4103 and ECON 4104 to complete the honours year.

ECON 4102 Economics Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** ECON 4101.

ECON 4103 Economics Honours C

12 credit points. **Session:** 1, 2. **Prerequisite:** ECON 4102.

ECON 4104 Economics Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** ECON 4103.

■ Finance

FINC 2001 Corporate Finance I

8 credit points. M Steveson, C. Comerton-Forde. **Session:** 1, 2, Summer. **Classes:** 2hrs lectures & 1hr tutorial/week. **Prerequisite:** ECON 1001, ECON 1002; ECMT 1010, ACCT 1001 (or ACCT 1003). **Assessment:** One 3hr exam, Assignments, Mid-semester test.

NB: Study in Finance commences in second year.

'This course 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 2002 Corporate Finance II

8 credit points. M Van De Vyver, D Moore. **Session:** 2, Summer. **Classes:** 2hrs lectures, 1hr workshop & 1 hr tutorial/week. **Prerequisite:** FINC 2001. **Assessment:** One 3hr exam, Assignments, Mid-semester test.

This unit builds on FINC 2001: 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 the student's knowledge of corporate finance and to prepare them for further study in finance in third year.

FINC 2004 Introductory Mathematical Finance

8 credit points. O Kwon. **Session:** 2. **Classes:** (2 hrs lectures + 1 tutorial)/week plus 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 ECON 2001, ECON 2901 and ECON 2903. **Prerequisite:** FINC 2001. **Assessment:** One 3hr exam, Assignments, Mid-semester test.

The principle objective of this unit is to introduce students to the basic elements of Mathematical Finance. Students are exposed to key areas in the modern theory of finance and corporate financial policy with specific emphasis on their development and treatment from mathematical and statistical foundations. The unit will provide some of the necessary mathematics background so that the subject is reasonably self-contained. 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 2092 Finance 2 Honours

4 credit points. G Partington. **Session:** 2. **Classes:** weekly seminar.

Prerequisite: Credit or higher grade in FINC 2001; competitive and by application. **Assessment:** Assessment of advanced topics covered.

NB: Department permission required for enrolment.

This subject aims to introduce students to finance research with a specific focus on research in topics covered in 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 2101 Finance Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

FINC 2102 Finance Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

FINC 3001 International Financial Management

8 credit points. T. Kortian. **Session:** 2, Summer. **Classes:** (2 hrs lectures + 1 tutorial)/week. **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** Two, 2 hr exams; Project; Assignments.

Markets are increasingly globalised. There are very few businesses or industries that are not required to deal with issues such as foreign currency, foreign competition and direct investment. This unit of study 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 3002 Derivative Securities

8 credit points. K Pattenden. **Session:** 1. **Classes:** 2 hrs lectures and 1 tutorial/week. **Assumed knowledge:** calculus, regression, probability theory, random distributions. **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** One Report/sem; Exams; Assignment.

Options, futures and swaps are derivatives of underlying securities such as commodities, equities and bonds. These types of securities are increasingly used to manage risk exposure and as a relatively low-cost-way of taking a position in a security or portfolio. They are also being used as part of senior management compensation as a way of attempting to align the interests of shareholders with that of management.

The unit is designed to provide an introduction to this important area of finance without requiring on the part of students a high level of mathematical sophistication. However, a strong quantitative base is an advantage.

FINC 3003 Mergers and Acquisitions

8 credit points. J Westerholm. **Session:** 1. **Classes:** 2 hrs lectures and 1 tutorial/week plus additional workshops as required. **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** Final exam, Tutorial work, Project.

Mergers and acquisitions are one of the most important activities undertaken by investment banks. They are used by businesses to secure growth. To analyze mergers and acquisitions tools from modern financial economics are needed. This is why this course starts with a review of existing business valuation techniques. The course 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 course is a practical one of 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 & acquisitions, as a corporate advisor in a merchant bank or as an analyst employed in broking or funds management

Textbooks

Custom publication book package by Joakim Westerholm (2003), Mergers & Acquisitions, ISBN 88888 95698, McGrawHill, Australia.

FINC 3004 Trading and Dealing in Security Markets

8 credit points. J Westerholm. **Session:** 2. **Classes:** (2 hrs lectures + 1 tutorial)/week. **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** Mid-semester exam; Final exam; Tutorial work; Project.

This course is concerned with the processes which turn orders into trades in securities markets, and the forces which mould and effect both order flow and order execution. This course is an introduction to some fundamental market design and structure ideas.

The increased worldwide emphasis on capital markets and stock exchanges have brought market microstructure into the limelight. This course will provide insights into the lessons from securities market microstructure that can be used to gain a better understanding of today's global financial markets. At the end of this unit a student 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. It 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.

Textbooks

Thomas H. McNish, Capital Markets, CAPITAL MARKETS, A global perspective, ISBN 0-631-21160-8 (paperback), Blackwell Publishers Ltd.

FINC 3005 Financial Valuation: Case Study Approach

8 credit points. K Pattenden. **Session:** 2. **Classes:** 2hrs lectures, 2hr workshop session (not every week). **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** Case study, Workshop work, Exam, Small project.

This is a unit of study which 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 of study pulls together important contributions from earlier units in the finance major. Cases include issues in capital budgeting and cost of capital, financial decision making, 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 3007 Investments and Portfolio Management

8 credit points. J Muthuswamy. **Session:** 1. **Classes:** 2hrs lectures + 1 tutorial/week. **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004.

This course 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 will be reviewed at the beginning to ensure that all students have adequate understanding. Although there will be a definite attempt to stress the analytical aspects of investments theory, there will also be an equal amount of emphasis on the intuitive as well as practical aspects of the subject.

FINC 3008 Bank Financial Management

8 credit points. F. Moshirian. **Session:** 2. **Classes:** 2 hrs lectures + 1 tutorial/week. **Prerequisite:** FINC 2001; FINC 2002 or FINC 2004; ECON 2001; ECON 2002 or ECON 2901 and ECON 2902.

This subject's central objective 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 – 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 3093 Finance 3 Honours (Corporate Finance)

4 credit points. K. Pattenden. **Session:** 1. **Classes:** A weekly workshop/seminar. **Prerequisite:** Credit or higher grade in FINC 2001 and (FINC 2002 or FINC 2004) and FINC 2092 or by departmental permission. **Assessment:** Seminar presentation; Project; Exam.

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 course draws on game theory, information economics and modern philosophical materials.

FINC 3094 Finance 3 Honours (Securities Markets)

4 credit points. A. Frino, E. Jarnecic. **Session:** 2. **Classes:** A weekly workshop/seminar. **Prerequisite:** Credit or higher grade in FINC 2001 and (FINC 2002 or FINC 2004) and FINC 2092 or by departmental permission. **Assessment:** Presentation; Assignment; Exam.

This unit of study gives students a practical appreciation how markets operate and how their design impacts on price discovery and trading behaviour. The course will consider who trades, why they trade and how trading takes place. It will examine how technology and regulatory changes affect trading behaviour. The course will introduce students to market microstructure research. By studying and critiquing the academic literature students will become familiar with the research questions which have examined and research methods used. This will allow students to develop the necessary skills to design and undertake their own research projects in the honours year.

FINC 3101 Finance Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

FINC 3102 Finance Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

FINC 4101 Finance Honours A

12 credit points. T. Kortian. **Session:** 1, 2. **Prerequisite:** FINC 2092, FINC 3093 and FINC 3094 with the grade of Credit or better in at least two, or with the permission of the Head of Discipline. Requirements for the Pass degree must be completed before entry to level 4000 Honours units of study.

NB: Department permission required for enrolment.

The Honours Year 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.

The Program

Typically, semester units will be offered in research methodology and computer/data/statistical skills. Other units to be offered will most likely be on:

- corporate finance;
- securities market micro-structure;
- corporate governance,
- financial econometrics, and
- capital markets and information,

Actual offerings in any year will depend on staff availability and demand. With approval, the equivalent of a semester unit could be taken from other departments or faculties.

Research Report

The research report will be written up 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 from the outset. Typically the subject areas relate to securities market micro-structure, investments and corporate finance, since these are the areas in which the discipline has expertise and supervisory skills.

Students who have completed double majors in 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 areas of their two majors, may be eligible to undertake Joint Honours programs, subject to approval of the Honours coordinators in both disciplines.

Candidates must enrol in FINC 4102, FINC 4103 and FINC 4104 to complete the honours year.

FINC 4102 Finance Honours B

12 credit points. J. Muthuswamy. **Session:** 1, 2. **Corequisite:** FINC 4101.

FINC 4103 Finance Honours C

12 credit points. G Partington. **Session:** 1, 2. **Corequisite:** FINC 4102.

FINC 4104 Finance Honours D

12 credit points. M Steveson, G Frost. **Session:** 1, 2. **Corequisite:** FINC 4103.

■ Government and International Relations

GOVT 1001 Government Exchange

6 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

GOVT 1002 Government Exchange

6 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

GOVT 1101 Australian Politics

6 credit points. Semester 1 Dr Vromen Semester 2 Dr Smith Summer, Shelley Savage. **Session:** 1, 2, Summer. **Classes:** 2 lectures & 1 tutorial/week. **Assessment:** Essay 40%; Exam 30%; Participation 20%; Paper 10%.

This unit aims to introduce 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 will be examined as arenas of power, conflict and consensus. Who rules? How? Which groups are excluded?

GOVT 1104 Power in Society

6 credit points. Dr Hogan. **Session:** 2. **Assessment:** Critical Reading Exercises 30%; Participation 10%; Case Study 30%; Exam 30%.

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 will be 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 will consider the way power operates in Australian society in relation to political decision making. The course will draw on case studies in order to combine the study of key political ideas and concepts with practical examples from our daily lives-diet, transport, drugs, clothing etc.

GOVT 1202 World Politics

6 credit points. Semester 1 Dr Maguire, Semester 2 Dr Merom, Summer School Susan Park. **Session:** 1, 2, Summer. **Classes:** 2 lectures & 1 tutorial/week. **Assessment:** Assignment 15%; Essay 35%; Exam 35%; Participation 15%.

This unit seeks to introduce the core content of the field of international relations. The first part will present the realist, liberal, Marxist and constructivist paradigms of international relations. The second part will discuss the key actors and processes political scientists define in the field, including the state, decision makers, bureaucratic organisations, and classes. The final part will focus on international security, international political economy, and global problems.

GOVT 1406 International Business and Politics

6 credit points. Dr Jarvis. **Session:** 1. **Classes:** 2 lectures & 1 tutorial/week.

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, internationalization, 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 from it will draw most of its case studies.

GOVT 2001 Government Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

GOVT 2002 Government Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

GOVT 2003 Government Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

GOVT 2004 Government Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

GOVT 2091 Government 2 Honours

8 credit points. Dr Vromen. **Session:** 1. **Prerequisite:** Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator.

This unit helps honours students develop the conceptual and practical skills they will need to excel in any area of substantial political inquiry. An overview of political inquiry will be presented through an examination of the diversity in theoretical and methodological approaches used by those who do 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 will be based around constructing research projects that can be utilised to answer current political questions.

GOVT 2101 Human Rights and Australian Politics

8 credit points. Semester 2 Dr Chappell, Summer School Francesca Panzironi. **Session:** 2, Summer. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Essay 40%; Exam 40%; Participation 20%.

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, the Asia Pacific region and globally. Throughout the course we consider the evolution of human rights and consider questions about the adequacy of existing human rights machinery. We examine criticisms by a range of commentators of the UN and other international rights institutions and discuss alternatives for protecting international human rights. We also look at the role played by Non-Government Organisations in advancing and protecting human rights throughout the world.

GOVT 2105 Spirituality and Politics

8 credit points. Dr Carson & Dr Piggott. **Session:** 1a. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Literature reviews 20%; Essay 40%; Reflective Portfolio 40%.

NB: This unit will be taught in intensive mode over five Fridays. What is spirituality? What is politics? If the former has something to do with the metaphysical realm and the latter is largely about power relations, then what are the points of intersection? Can we bring the spiritual into politics? If so, why and how?

This unit of study will explore the relationship between 'things of the Spirit' and the political process. The central concepts of power and participation will be examined. We will

explore the diverse responses to spirituality and politics throughout history and today. The unit will be interactive and will use a combination of learning strategies: lectures, guest speakers, films, discussion and field trips.

GOVT 2106 Australian Foreign and Defence Policy

8 credit points. **Session:** 2. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Essay 25%; Exam 50%; Participation 25%.

This unit focuses on the formation, implementation and outcomes of Australian foreign and defence policy. It takes into account political culture, electoral, interest group, party-political, institutional (eg, federalism, judicial review) and international law influences. Attention is given to Australia's capacity to apply appropriate human, economic, diplomatic, intelligence and military resources in pursuit of its interests. In context of Australia's bilateral, regional and multilateral linkages, the unit incorporates such special international themes as human rights, terrorism, environmental management and population movements.

GOVT 2201 Politics of International Economic Rels

8 credit points. Dr Hobson. **Session:** 2. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** 2-hour exam 30%; Essay 50%; Tutorial paper of 1,000 words 10%; Tutorial participation 10%.

This unit will provide an overview of three major theoretical approaches to international political economy (neorealist and neo-Marxist hegemonic stability theory and constructivist/poststructuralist theory), and considers how well these apply to understanding the practice of international relations/IPE in the last 200 years. In this way the student will be introduced not only to the development of great power politics and the international political economy, but also to the cutting edge of IR/IPE theory.

GOVT 2205 International Security in 21st Century

8 credit points. Dr Merom. **Session:** 1. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Exam, Participation and Essay.

This unit will introduce students to the theoretical foundations, essential concepts and central issues in the field of international security. It will provide students with analytical tools to understand and participate in current debates concerning security and threats. The first part will provide an introduction to the theoretical interpretations of international security. The second part, will discuss 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 will include a critical review of the dilemmas, strategies, and solutions in each of the issue areas.

GOVT 2404 Europe in World Affairs

8 credit points. Dr Maguire. **Session:** 2. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Assignment 15%; Essay 35%; Exam 35%; Participation 15%.

This unit will examine 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 will be used to examine these phenomena and these will include perspectives that stress the role of the world economy, political institutions and social movements.

GOVT 2406 Reform, Revolution and Post Communism

8 credit points. Prof Gill. **Session:** 2. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Essay 40%; Exam 40%; Participation 20%.

At the end of the 1980s the communist regimes of Europe collapsed, leading to the emergence of a number of newly-independent states. This development was unexpected, because the communist regimes had seemed to be so powerful and solidly established. This unit will analyse why such regimes fell, and in particular why the attempts at reform of them failed. It will then look at the attempt to build a new post-communist future characterised by political democracy and a market economy. Specific attention will be given to issues like the attempt to develop a post-communist identity, efforts to construct a new political system, economic reform and its consequences, organized crime and corruption, nationalism and legitimacy. The focus will principally be upon Russia, but some attention may also be given to other former communist states.

GOVT 2412 Comparative Politics of Ethnic Conflict

8 credit points. Prof Springborg. **Session:** 1. **Prerequisite:** Two GOVT 1000 level units of study (for Management major only: any four 1000 level units). **Assessment:** Essay 60%; Short Presentations and Tutorial Work 40%.

This unit examines the role that ethnic conflict plays in national and international politics. One key issue to be addressed is the persistent and destructive nature of this form of political conflict. In the modern world settler societies, former colonies, ex-communist nations and liberal democracies have all had to deal with the political consequences of ethnic tensions. But ethnic conflict is not as peculiarly modern as we sometimes think. This course will consider ethnicity and nationalism as perennial forces released when imperial systems break up. So the great imperial systems of Greece and Rome, the Byzantine and Ottoman, Holy Roman and Austro-Hungarian empires, all produced species of nationalism and ethnic conflict. It was out of the breakup of the Latin-speaking Christian empire that the nation states of modern Europe emerged, while statehood came to modern Africa and South America from the break up of the modern European empires, British, French, German and Spanish. The so-called 'new Nationalism' of the post-Soviet Empire can also be seen as yet another round of de-colonization, in which power is devolved to elites on the periphery. This unit is comparative and covers competing theoretical approaches (such as Marxist and Liberal).

GOVT 2502 Policy Analysis

8 credit points. Dr McConnell. **Session:** 1. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Policy brief 20%; Two tests 10% each; Essay 40%.

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 the historical development of approaches to analysing public policy. Second, it examines key features of the policy-making process. These include the setting of political agendas, the role of the state in decision-taking, policy making in crisis situations, policy implementation and policy evaluation. Third, it explores a number of perspectives which attempt to identify the main factors shaping the public policy process. These include policy cycles, rational choice, groups and networks, the power of institutions, socio-economic interests and ideas. Fourth, it focuses on case studies in the Australian context with regard to economic policy, social policy, environmental policy and indigenous affairs. Finally, it takes an overview of Australian public policy processes in a global world. The unit is sufficiently flexible in terms of assessment, allowing students to concentrate on areas of interest.

GOVT 2504 Government Business Relations

8 credit points. Dr Stewart. **Session:** 2. **Prerequisite:** Two GOVT 1000 level units of study (for Management major only: any four 1000 level units). **Assessment:** Exam 35%; Essay 35%; Participation 30%.

The unit will focus on the patterns of relations between government and business in theory and practice in Australia. A key question will be 'who controls whom?' Does the state and the public control the market, or is the state an instrument of the private power of business? In the first part of the unit, economic and political models of the relations between government and business will be examined. In the second part of the unit, these models will be applied to various policy arenas in Australia. Topics for discussion include: business development in Australia, the Australian financial system, business law and taxation, tariffs, arbitration and industrial relations, manufacturing and rural industry. The unit will conclude by discussing corporatism and industry policy in Australia in a changing global economy.

GOVT 2507 Public Sector Management

8 credit points. Dr Kelly. **Session:** 1. **Prerequisite:** Two GOVT 1000 level units of study (for Management major only: any four 1000 level units). **Assessment:** Tutorials 30%; Paper 10%; Essay 30%; Exam 30%.

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 2605 Ethics and Politics

8 credit points. Dr Clarkeburn. **Session:** 1. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Essay 40%; Exam 30%; Project 20%; Participation 10%.

This unit inquires about ethics in the context of politics addressing questions such as: what does ethics have to do with politics? How does an understanding of peoples' value commitment improve analysis of political action? Can politics be ethical? The unit begins by examining ethics from the standpoint of justice or just practice. We then examine a series of case studies which raise central questions about the relationship between politics and ethics as a matter of justice, such as: war and terrorism, the problem of dirty hands in politics, immigration and stateless peoples, corruption and government, the 'debt of nations' and reparations for past injustices.

GOVT 2701 Middle East Politics and Society

8 credit points. Dr Piggott. **Session:** 2. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Essays 60%; Tutorial presentation and essay 40%.

This unit will introduce students to the history, politics and religion of the modern Middle East. Birth place of three of the world's major religions, Judaism, Christianity and Islam, and located at the cross-roads of three continents, this region has been the focus of humankind for millennia. The modern period of the Middle East, marked by the collapse of the Ottoman Empire and the creation of new nation states, has witnessed perennial conflict and political instability. The nature of state formation, the role of religion, oil politics and causes of conflict are the key themes that will be considered in this unit.

GOVT 2703 Consultation: Community, Business, Govt

8 credit points. Dr Carson. **Session:** 1b. **Prerequisite:** Two GOVT 1000 level units of study. **Assessment:** Paper 30%; Consultation process 40%; Report 30%.

This unit analyses the theory, practice and management of consultative processes and applies theory to practice. Consultation is fundamental to effective policy making and management in both public and corporate contexts. Consultation is often notable for its absence. The analytical skills that will be developed in this unit are indispensable to those undertaking a professionally-oriented degree in either context. As such, the unit is problem-based and adopts an action learning approach to managing consultation in public and corporate settings. There is a high degree of group activity as well as self-directed learning.

GOVT 3508 Internship in Public Policy and Affairs

16 credit points. Dr Lyn Carson. **Session:** 2. **Prerequisite:** Consultation with Discipline's Internship Coordinator.

NB: Department permission required for enrolment.

Applications in writing and enrolments limited by number of available placements.

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 two senior units – ie, 16 credit points.

GOVT 3991 Government 3 Honours Part A

4 credit points. Dr Smith. **Session:** 1. **Prerequisite:** Two senior Government units and GOVT 2091, each at the level of Credit or better, or with the consent of the Chair of Discipline.

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 will explore this concept in different parts of political science. Students will survey some debates on power

and assess 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 will be on the nature, sources and use of power.

GOVT 3992 Government 3 Honours Part B

4 credit points. Assoc Prof Tiffen. **Session:** 2. **Prerequisite:** Two senior Government units, including GOVT 2091, each at the level of Credit or better, or with the consent of the Chair of Discipline.

The purpose of this unit of study is to help you build towards a better Fourth Year Honours thesis. It will consider constructing a thesis topic, planning the research, bibliographic searches, and writing the thesis. The unit devotes a considerable amount of time to exercises designed to help students envisage their Honours theses and plan fruitful lines of inquiry.

GOVT 4101 Government Honours A

12 credit points. Dr Smith. **Session:** 1, 2. **Prerequisite:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. 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 degree, credit grades in two junior GOVT units, three senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. **NB:** Permission required for enrolment. **Corequisite:** 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 thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4102 Government Honours B

12 credit points. Dr Smith. **Session:** 1, 2. **Prerequisite:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. 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 degree, credit grades in two junior GOVT units, three senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. **NB:** Permission required for enrolment. **Corequisite:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4103 Government Honours C

12 credit points. Dr Smith. **Session:** 1, 2. **Prerequisite:** Credit grades in two junior GOVT units, four senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. 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 degree, credit grades in two junior GOVT units, three senior GOVT units and GOVT 2091, GOVT 3991 and GOVT 3992. **NB:** Permission required for enrolment. **Corequisite:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4104 Government Honours D

12 credit points. Dr Smith. **Session:** 1, 2. **Prerequisite:** 'Students work under individual supervision to prepare a bibliographic essay and a thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree. **Corequisite:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

■ Marketing

MKTG 1001 Marketing Principles

6 credit points. Dr Paul Henry. **Session:** 1, Summer. **Prohibition:** MKTG 2001. **Assessment:** Marketing Plan 20%; Group Presentation 15%; Tutorial Assignment 15%; Two Exams 50%.

This unit of study examines the relationships among marketing organizations 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 organizations 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 of study is heavily based on theory, practical application of the concepts to 'real world' situations is also essential. Specific topics of study include: (a) market segmentation strategies, (b) market planning, (c) product decisions, (d) new product development, (e) branding strategies, (f) channels of distribution, (g) promotion and advertising, (h) pricing strategies, and (i) customer database management.

MKTG 1002 Marketing Research 1

6 credit points. Dr Iain Black. **Session:** 2. **Prerequisite:** MKTG 1001 or MKTG 2001. In addition either ECMT 1010 or (one of ECMT 1011, ECMT 1012, ECMT 1013 and one of ECMT 1021, ECMT 1022, ECMT 1023). **Prohibition:** MKTG 2003. **Assessment:** Group Project 50%; Exams 50% (mid-semester and final).

Fundamental to Marketing is a requirement to understand who your customers are and what they want. Marketing research is the essential activity of discovering information and presenting it in a useful format to marketing decision makers. Marketing Research Concepts 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 2002 Consumer Behaviour

8 credit points. Dr Michel Phan. **Session:** 2. **Classes:** (1 lec & 1 tut)/wk. **Prerequisite:** MKTG 1001 or MKTG 2001. **Corequisite:** none. **Assessment:** Consumer Behaviour Audit 20%; Group Presentation 15%; Case Analyses 15%; Two Exams 50%.

'This subject 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: (a) cultural, demographic and psychographic influences, (b) reference group influences, (c) household decision processes and consumption behaviour, (d) consumer perception and learning, (e) motivation, personality and emotion, (f) consumer attitudes, and (g) purchase decision processes.

MKTG 2101 Marketing Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

MKTG 2102 Marketing Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

MKTG 3001 Marketing Research II

8 credit points. Mr Jeffrey Lim. **Session:** 1, Summer. **Classes:** (1 lec & 1 tut)/wk. **Prerequisite:** MKTG 1001 or MKTG 2001. In addition either ECMT 1010 or (one of ECMT 1011, ECMT 1012, ECMT 1013 and one of ECMT 1021, ECMT 1022, ECMT 1023). **Assessment:** Participation 10%; Individual Assignment 15%; Group presentation 10%; Group Project 35%; Exam 30%.

It is paramount for marketers today to be able to drive the research process and utilize the information efficiently. Marketing Research II aims to equip students with the necessary research and analytical skills to help organizations implement sound marketing decisions, tactics, and strategies. Students undertaking this subject will be provided with the opportunity to get hands-on experience with a variety of quantitative tools. The impact or influence of new technologies (eg, the Internet) on the market research industry will also be focused. It is envisioned

that research practitioners need to embrace these developments to keep up with the ever-changing structure of today's society.

MKTG 3002 Marketing Communications

8 credit points. Dr Teresa Davis. **Session:** 2. **Classes:** (1 lec & 1 tut)/wk. **Prerequisite:** MKTG 1001 or MKTG 2001. **Assessment:** Assignment 10%; Quiz 20%; Project 30%; Participation 10%; Exam 30%.

'This subject offers an introduction to and overview of current theory and practice of marketing communications. It will include aspects of advertising in the main media (television, radio, print, outdoor, cinema), sales promotion, personal selling and new media, such as Internet. It will provide students with a sound theoretical/conceptual foundation as well as the strategic/practical perspectives of Integrated Marketing Communications planning and implementation.

MKTG 3004 New Products Marketing

8 credit points. Dr Catherine Sutton-Brady. **Session:** 2. **Classes:** (1 lec & 1 tut)/wk. **Prerequisite:** MKTG 1001 or MKTG 2001. **Assessment:** Group Presentation 15%; Group Project 35%; Two Exams 50%.

'New products and services are crucial to successful growth and increased profits in many industries. Our goal is to help you learn how to develop and market new products and services in both the private and public sectors. The instruction method will be lectures and discussions. A product development assignment will be given to reinforce the course material and to provide realistic examples of how new products are designed, tested and launched.

MKTG 3006 International Marketing

8 credit points. Dr Catherine Sutton-Brady. **Session:** 1. **Classes:** (1 lec & 1 tut)/week. **Prerequisite:** MKTG 1001 or MKTG 2001. **Assessment:** Participation 20%; Case presentation 10%; International Business Theatre 40%; Examination 30%.

This unit aims to introduce 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 aims to give students an awareness and understanding of international marketing concepts and highlight their importance in a rapidly changing global economy. Additionally it aims to develop student skills in designing and implementing marketing strategies in diverse international contexts.

MKTG 3007 Services Marketing

8 credit points. Dr Paul Henry. **Session:** 1. **Prerequisite:** MKTG 1001 or MKTG 2001. **Assessment:** Group Project 25%; Group Presentation 15%; Participation 10%; Exam 50%.

'This unit of study 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, healthcare, airline, banking, financial, accounting, medical and legal services industries. The unit of study will primarily focus 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 will be the other primary areas of interest within the unit of study.

MKTG 3010 Electronic Marketing

8 credit points. Ms Jeaney Yip. **Session:** 2. **Prerequisite:** MKTG 1001 or MKTG 2001. **Assessment:** Paper 20%; Group project 35%; Group presentation 10%; Exam 35%.

'This course explores how new technologies can be embraced effectively for marketing purposes. This unit of study builds upon the principles and concepts of traditional marketing studied in '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 3101 Marketing Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** MKTG 1001 or MKTG 2001. *NB: Department permission required for enrolment.*

MKTG 3102 Marketing Exchange

8 credit points. **Session:** 1, 2. **Prerequisite:** MKTG 1001 or MKTG 2001. *NB: Department permission required for enrolment.*

MKTG 4101 Marketing Honours A

12 credit points. Dr Iain Black. **Session:** 1, 2. **Prerequisite:** Completed undergraduate degree in marketing. **Assessment:** Coursework and research.

NB: Department permission required for enrolment.

The Marketing Honours degree program 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 subject and a two-semester thesis, 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 will prepare the students with the requisite skills to complete their thesis. In addition, these seminars will provide students with research skills that can be applied in either an academic or commercial context.

MKTG 4102 Marketing Honours B

12 credit points. Dr Iain Black. **Session:** 1, 2. **Prerequisite:** Completed undergraduate degree in marketing. **Corequisite:** MKTG 4101.

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. Supervisor. **Session:** 1, 2. **Prerequisite:** Completed undergraduate degree in marketing. **Corequisite:** MKTG 4102.

Marketing Honours C and D provide the students with the opportunity to plan, conduct and report on their chosen thesis topics. They will work closely under their supervisor(s) to complete this exciting challenging research project. The honours thesis 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. Supervisor. **Session:** 1, 2. **Prerequisite:** Completed undergraduate degree in marketing. **Corequisite:** MKTG 4103.

Marketing Honours C and D provide the students with the opportunity to plan, conduct and report on their chosen thesis topics. They will work closely under their supervisor(s) to complete this exciting challenging research project. The honours thesis 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. F Stilwell. **Session:** 1, Summer. **Prerequisite:** None. **Assessment:** Tutorial mini-essay 10%; Tutorial participation 20%; Essay 20%; Final exam 50%.

Economic concerns are central to modern society and politics. Yet economists are deeply divided in their views about how the economy works and how it could be made to work better. This unit of study explores the principal competing currents of economic thought – classical, neo-classical, institutional, Marxian and Keynesian. It looks at how these rival economic theories influence views about economic policy and the future of capitalism. This provides a solid foundation for subsequent study of economics and political economy.

Textbooks

T. Stillwell, *Political Economy: The Contest of Economic Ideas* (Oxford University Press, Melbourne 2002)

D. Fusfeld, *The Age of the Economist* (Adison-Wesley Educational Publishers, Reading, Massachusetts, 2002)

G. Argyrous and F. Stilwell (eds), *Economics as a Social Science: Readings in Political Economy* (Pluto Press Australia, Sydney, 2003)

ECOP 1002 Economy and Policy

6 credit points. G Meagher. **Session:** 2. **Prerequisite:** None. **Assessment:** Tutorial assignments x 2 20%; Tutorial participation 10%; Essay 30%; Final exam 40%.

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.

Textbooks

None is set for this course. However, a set of readings and a list of references will be made available at the first lecture.

ECOP 2001 Economic Foundation of Modern Capitalism

8 credit points. J Halevi. **Session:** 2. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Seminar group participation and presentation 20%; Essay 40%; Final exam 40%.

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.

Textbooks

There is no one text set for this course. However, a list of references and a set of readings will be made available at the beginning of the course.

ECOP 2002 Social Foundations of Modern Capitalism

8 credit points. E Jones. **Session:** 1. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Essay 40%; Tutorial presentation/participation 20%; Final exam 40%.

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 import 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.

Textbooks

There is no one text set for this course. However, a list of references and a set of readings will be made available at the beginning of the course.

ECOP 2101 Political Economy Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOP 2102 Political Economy Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOP 2901 Political Economy Honours II (Part A)

4 credit points. G Meagher. **Session:** 1. **Prerequisite:** Credit average in ECOP 1001 and ECOP 1002. **Corequisite:** ECOP 2001 or ECOP 2002.

Assessment: Seminar presentation 20%; seminar participation 20%; Seminar questions 5%; Short essay 10%; Long essay 45%.

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 Final Honours year.

ECOP 2902 Political Economy Honours II (Part B)

4 credit points. F. Stilwell. **Session:** 2. **Prerequisite:** Credit average in ECOP 1001 and ECOP 1002. **Corequisite:** ECOP 2001 or ECOP 2002.

Assessment: Seminar presentation and participation 60%; Essay 40%.

NB: Department permission required for enrolment. Students who commence mid-year may enrol in this unit if they obtain a credit or better in ECOP 2001

This unit of study extends the focus of the Political Economy Honours program to more practical policy-related questions. Students will critically evaluate government economic policies and strategies for economic reform. Like ECOP 2901, 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 third year studies a Final Honours year in Political Economy.

ECOP 3001 Economic Conflict and the State

8 credit points. E Jones. **Session:** N/A in 2004. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Essay 35%; Collective assignment 30%; Seminar participation 5%; Final exam 30%.

The institutional character of advanced capitalist societies varies significantly. Japanese capitalism, American capitalism, German capitalism and British capitalism are different in important respects, for example. This unit of study considers a sample of such societies on a comparative and historical basis. It examines the specific cultures and balance of forces which have underpinned national economies. Such structures and forces are used to interpret recent nation-specific economic policies, and the constraints and opportunities that channel the development of such policies.

ECOP 3002 Global Political Economy

8 credit points. J Halevi. **Session:** 2. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Presentation 10%; Report 10%; Essay 40%; Final exam 40%.

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 3004 Political Economy of Development

8 credit points. T Anderson. **Session:** 2, Summer. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Class participation 10%; Essay 40%; Workshop presentation and 1500 word paper 20%; Final exam 30%.

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 3005 Political Economy of the Environment

8 credit points. S. Rosewarne. **Session:** 1. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Essay 20%; Workshop presentation/3000 word project 40%; Final exam 40%.

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 3008 Economic Policy

8 credit points. E Jones. **Session:** 1. **Prerequisite:** ECOP 1001 and ECOP 1002. **Assessment:** Collective project 30%; Essay 30%; Group participation 10%; Final exam 30%.

Some of the most contentious issues in political economy concern the role of government in addressing contemporary economic problems. This unit of study examines the evolution of economic policy in Australia since the end of World War II. It analyses the competing interests and ideologies, their channels of influence, and the context (including international linkages) within which economic policy develops. It builds on the introduction to economic policy issues in ECOP 1002.

ECOP 3101 Political Economy Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOP 3102 Political Economy Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOP 3901 Political Economy Honours III (Part A)

4 credit points. **Session:** 1. **Prerequisite:** Credit average in 4 intermediate or senior ECOP units including ECOP 2901 and ECOP 2902. **Assessment:** Participation in seminar program 10%; Essay 40%; Seminar presentation 25%; Project requirement in ECOP 3902 25%.

NB: Third year students who have not completed the prerequisites should consult the department 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 3902 Political Economy Honours III (Part B)

4 credit points. **Session:** 2. **Prerequisite:** Credit average in 4 intermediate or senior ECOP units including ECOP 2901 and ECOP 2902. **Assessment:** Requirement research project 25%; Seminar presentation 25%; participation in seminar program 10%; Essay 40%.

NB: Third year students who have not completed the prerequisites should consult the department 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 thesis 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 thesis proposals.

ECOP 4001 Political Economy Honours A

12 credit points. **Session:** 1. **Prerequisite:** ECOP 2901, ECOP 2902, ECOP 3901, ECOP 3902, ECOP 2001, 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 thesis and coursework during their final honours year. The thesis is on a topic of each student's own choice, subject to staff approval: the thesis 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 Science 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. **Session:** 1. **Prerequisite:** ECOP 2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other snr ECOP units.

Corequisite: ECOP 4001.

ECOP 4003 Political Economy Honours C

12 credit points. **Session:** 2. **Prerequisite:** ECOP 2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other snr ECOP units.

Corequisite: ECOP 4002.

ECOP 4004 Political Economy Honours D

12 credit points. **Session:** 2. **Prerequisite:** ECOP 2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other snr ECOP units.

Corequisite: ECOP 4003.

■ Work and Organisational Studies

WORK 1001 Foundations of Industrial Relations

6 credit points. Dr S Jamieson. **Session:** 1. **Prerequisite:** None.

Prohibition: IREL 1001. **Assessment:** Essay; Exam; Presentation.

NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.

This is the first unit of study in the Work and Organisational Studies program. It provides a foundation for studying the major issues affecting the regulation of paid work in the current industrial relations framework. At a time of immense change in the nature of employment and in the processes affecting it, this unit begins by providing students with a range of conceptual tools and competing points of view about rights, rules and conflicts at work. Thereafter, the central concern of the unit is to examine the social, economic and political context of industrial relations. This means that there is a focus on the role of key institutional parties such as unions, employer associations and government as well as upon employees and managers

themselves. This unit combines theoretical and historical understandings of Australian industrial relations with a detailed examination of the current problems and strategies of these key industrial relations players.

WORK 1002 Foundations of Human Resource Management

6 credit points. Dr D Groutis. **Session:** 2. **Prerequisite:** None. **Prohibition:** IREL 1002. **Assessment:** Essay 40%; Participation 10%; Exam 50%.

NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.

This unit of study is designed to provide students with the foundation knowledge necessary to understand workplace relations and human resource management within Australian organisations and to undertake further specialised study in senior level units of study. The focus is on the policies and practices associated with managing the employment relationship at the organisational and workplace levels in the context of the changing social, political and economic environments. The unit provides an overview of the development of Human Resource Management (HRM) and the relationship with personnel management and industrial relations. The course also seeks to introduce students to the main functions of HRM, including planning, staffing, rewarding and developing employees. Throughout the course students will be encouraged to distinguish between descriptive, prescriptive and critical approaches to Human Resource Management and to understand when the use of each is appropriate.

WORK 2001 Foundations of Management

8 credit points. **Session:** 1. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** IREL 1002 or WORK 1002. **Prohibition:** IREL 2001. **Assessment:** Essay 30%; Participation 10%; Presentation 10%; Exam 50%.

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 2003 Industrial Relations Policy

8 credit points. Assoc Prof B Ellem. **Session:** 1. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Prohibition:** IREL 2003.

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;
- emerging patterns of dispute resolution and bargaining.

WORK 2004 Sociology of Work

8 credit points. Dr J Kitay. **Session:** 2. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** 48 junior credit points or ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)). **Prohibition:** IREL 2004. **Assessment:** Exam; Continuous assessments.

This subject begins with a brief introduction to sociology as a field of study and to the organizing principles of Australian and other societies in a global context. The focus of the unit is on patterns of change and stability in the structure of work and how work is experienced, with an emphasis on the organizational and occupational foundations of working life. Bureaucratic and flexible forms of work organization will be considered, as well as the sociological characteristics of a range of occupational groups. Macro-sociological issues such as the relationship between work and other institutions such as the family and education will be considered, as well as the micro-sociological foundations of relations at work.

WORK 2005 Human Resource Processes

8 credit points. Dr J Shields. **Session:** 1. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Prohibition:** IREL 2005. **Assessment:** Paper 20%; Essay 50%; Exam 30%.

Building on the foundation Human Resource Management (HRM) issues and concepts provided in WORK 1002, 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 2007 Labour Law

8 credit points. Dr S Jamieson. **Session:** 2. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Prohibition:** IREL 2007. **Assessment:** Exam 50%; Essay 40%; Participation 10%.

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 2008 Work Safety

8 credit points. Dr M Westcott. **Session:** 1. **Classes:** 2 lectures per week plus 1 seminar. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Prohibition:** IREL 2008. **Assessment:** Essay 40%; Presentation 10%; Participation 10%; Exam 40%.

Work Safety examines the industrial relations implications of occupational health and safety issues. The unit will be taught so as to emphasize 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 as safety problems being examined. This is achieved by taking a number of occupational issues and discussing the physiology of the problems and placing it in an appropriate social and economic context. The unifying theme in the course 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 of and compensation for injuries and illness at work – is examined in some detail.

WORK 2009 Organisational Analysis and Behaviour

8 credit points. Dr G Michelson. **Session:** 2. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** IREL 1002 or WORK 1002. **Prohibition:** IREL 2009. **Assessment:** Participation 10%; Essay 40%; Exam 50%.

'The aim of this unit of study 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, workaholicism, 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 course students should have developed the ability to reason, debate and critically examine a range of topical organisational issues.

WORK 2010 Strategic Management

8 credit points. N Wailes. **Session:** 1. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** IREL 1002 or WORK 1002. **Prohibition:** IREL 2010. **Assessment:** Multi-choice test 25%; Tutorial participation 10%; Case Study 25%; Final exam 40%.

'The aim of this unit of study 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 of study can be taken as a stand alone introduction to strategy or as part of a broader program study in management.

WORK 2011 Human Resource Strategies

8 credit points. Dr S McGrath-Champ. **Session:** 2. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Prohibition:** IREL 2011. **Assessment:** Essay OR in-class presentation and seminar paper; Final exam.

Examines the links between human resource management and strategic management in different kinds of organisations, both in Australia and overseas. 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. Considers contemporary and controversial issues in human resource management, which may include downsizing, outsourcing, knowledge management, governance and social responsibility.

WORK 2013 The Development of Australian Management

8 credit points. Dr D van den Broek. **Session:** 1. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** IREL 1002 or WORK 1002. **Prohibition:** IREL 2013. **Assessment:** A combination of case studies, tutorial papers, essays and examinations.

The course provides critical insights into the behaviour of employers and the nature of labour management. Through an historical analysis, it examines theoretical frameworks within which employer and managerial activities can be analysed. It looks at the changing relationship between management and trade unions and also considers the nature of job and organisational design and control. This unit will also consider the influences of ideology and politics within management and integrate Australian and overseas debates about the role of management in the study of work and organisation.

WORK 2014 Comparative Industrial Relations

8 credit points. Dr M Baird. **Session:** 2. **Classes:** 2 lectures/week plus 1 seminar per week. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Prohibition:** IREL 2014. **Assessment:** Essay or Seminar paper, Participation, Final exam.

An introduction to comparative industrial relations (within the enterprise and beyond) in Western developed economies. The countries and the topics covered will vary over time and according to the staff member in charge, but will normally include: introduction to comparative method; an historical and contemporary survey of industrial relations institutions in each country; exploration of the broader economic, political and social environment of industrial relations in each country; the role of the state in industrial relations; the structure and strategies of unions and employer organisations; management and union organisation and strategy within the enterprise; bargaining structures.

WORK 2015 IR and HRM Practice

8 credit points. Dr R Cooper. **Session:** 2. **Classes:** Intensive mode during mid year break and in semester 2. **Prerequisite:** ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)) plus 16 senior credit points in WOS units of study.

NB: Department permission required for enrolment. This unit will be taught as an intensive block, dates TBA

The unit is intended to go some way towards bridging the gap between theory and professional life. The course 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 course is devoted to role-play negotiation exercises where the students apply the techniques that have been taught. Students will undertake a period of work experience.

WORK 2016 Unions at Work

8 credit points. Dr R Cooper. **Session:** 2. **Classes:** 2 lectures per week plus 1 seminar per week. **Prerequisite:** (WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002). **Assessment:** Assessment drawn from a menu of case studies, tutorial papers, essays and examinations.

Focussing mainly on unions in Australia, this unit of study explores the nature of workers' collective action in and beyond the workplace. It examines debates about the origins and purposes of collective action, the development of union structure and strategy and asks about the future of unionism. Particular issues to be addressed may include: ideology and politics in unions; democracy and the role of the union official; the

gendered construction of unionism; 'solidarity' and 'difference' in unions; the economic impact of unions; international and local unionism; comparisons with overseas forms of worker organisation.

WORK 3901 Theories of Work and Organisation

8 credit points. Dr D Groutsis. **Session:** 1. **Classes:** 3 hours/week. **Prerequisite:** ((WORK 1001 or IREL 1001) and (WORK 1002 or IREL 1002)) and enrolled in IR/HRM or Mgmt major with minimum grade credit in all WORK units. **Corequisite:** Enrolment in either an IR&HRM major or Management major. **Prohibition:** IREL 2901, IREL 2902. **Assessment:** Short essay 25%; Long essay 40%; Participation 10%; Final exam 25%.

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 3902 Researching Work and Organisations

8 credit points. Dr M Baird. **Session:** 2. **Classes:** 2 hours/week. **Prerequisite:** WORK 3901 or IREL 2901 and IREL 2902 and enrolled in IR/HRM or Mgmt major with minimum grade credit in all WORK units. **Corequisite:** Enrolment in either an IR&HRM major or Management major. **Prohibition:** IREL 3902. **Assessment:** Essay; Research proposal; Class presentation.

This unit seeks to develop the skills, practices and understandings necessary to undertake a research-based thesis in work and organisational studies. Students will 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 will be an emphasis on the development of methodological expertise relevant to the student's anticipated thesis topic and the preparation of a viable research proposal.

IREL 2101 Industrial Relations & HRM Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

IREL 2102 Industrial Relations & HRM Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

IREL 2103 Industrial Relations & HRM Exchange

4 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

IREL 2104 Industrial Relations & HRM Exchange

4 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

IREL 3101 Industrial Relations & HRM Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

IREL 3102 Industrial Relations & HRM Exchange

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

IREL 4101 Industrial Relations Honours A

12 credit points. **Session:** 1, 2. **Prerequisite:** WORK 3901 (or IREL 3901) and 32 credit points of IREL 2000 or WORK 2000 level units of study. Requirements for the Pass degree must be completed before entry to level 4000 Honours units of study and admission is at the discretion of the discipline. **Assessment:** Coursework; Thesis.

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 IREL 4102, IREL 4103 and IREL 4104 to complete the honours year.

IREL 4102 Industrial Relations Honours B

12 credit points. **Session:** 1, 2. **Corequisite:** IREL 4101.

IREL 4103 Industrial Relations Honours C

12 credit points. **Session:** 1, 2. **Corequisite:** IREL 4102.

IREL 4104 Industrial Relations Honours D

12 credit points. **Session:** 1, 2. **Corequisite:** IREL 4103.

■ Faculty

ECOF 1001 **Communication and Critical Analysis 1A**

6 credit points. Dr M Paton. **Session:** 2. **Classes:** 2 hour seminar/week. **Prohibition:** ECOF 1002. **Assessment:** 2 essays, 1 seminar paper, 1 learning journal, 1 summary exercise and class participation.

NB: This course is meant for native speakers of English.

This course aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly units 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 1B**

6 credit points. Dr M Paton. **Session:** 2. **Classes:** 2 hour seminar/week and one 1 hr tutorial. **Prohibition:** ECOF 1001. **Assessment:** 2 essays, 1 seminar paper, 1 learning journal, 1 summary exercise and class participation.

NB: This course is meant for students from a non-English speaking background.

This course aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly units 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 1101 **General Exchange**

6 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOF 2101 **Economics/Commerce Exchange**

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOF 2102 **Economics/Commerce Exchange**

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOF 3101 **Economics/Commerce Exchange**

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

ECOF 3102 **Economics/Commerce Exchange**

8 credit points. **Session:** 1, 2.

NB: Department permission required for enrolment.

NB:

7 Science units of study

Units of study in this chapter are listed by unit code within their respective schools. To find a unit of study by name, refer to the index at the back of this handbook. Students should always check unit of study availability with the relevant department.

■ 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

Studies in the disciplines of Agricultural Chemistry and Soil Science are offered by the School of Land, Water and Crop Sciences in the Faculty of Agriculture.

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: AGCH 2001 Molecular Processes in Ecosystems (8 credit points Intermediate); AGCH 3025 and AGCH 3026, Chemistry and Biochemistry of Foods A and B respectively (6 credit points Senior each); AGCH 3020, AGCH 3021 and AGCH 3022, Chemistry and Biochemistry of Ecosystems A, B and C respectively (4 credit points Senior each); AGCH 3024 Chemistry and Biochemistry of Foods (6 credit points Senior); and Agricultural Chemistry Honours. The unit of study AGCH 3012 is only available to students enrolled in the Bachelor of Science (Environmental) and students seeking further information should consult the relevant Tables earlier in this chapter as well as degree information in chapter 2 of this handbook.

AGCH 2001 Molecular Processes in Ecosystems

8 credit points. Dr Lees, Dr Caldwell (Coordinator). **Session:** 1. **Classes:** 4 lec & 4 prac/wk. **Prerequisite:** BIOL (1002 or 1902). Students who have not satisfied the prerequisites in Biology may enrol with SOIL 2001

as a corequisite. **Qualifier:** CHEM 1002 or equivalent. **Prohibition:** May not be counted with any Intermediate unit of study in Biochemistry. **Assessment:** One 3hr exam, prac, assignments.

This is an introductory unit of study consisting of aspects of chemistry and biochemistry relevant in studies of basic and applied biological sciences including agriculture and the environment. The unit of study introduces students to biophysical, biological and environmental chemistry. Lecture topics include: energy in the biosphere; the interaction of radiation and matter; solutions of neutral solutes and electrolytes; emulsions, foams and gels; the biological chemistry of carbohydrates, lipids, amino acids and proteins (including enzymes); nucleic acids; the metabolism of simple sugars, fatty acids and amino acids; the mechanisms of energy release and transduction; the basic pathway of carbon fixation in photosynthesis. Emphasis is given to the theory, principles and practice of the basic analytical techniques which underpin the more advanced instrumental methods used in many laboratory based disciplines.

Practical: Seven laboratory sessions cover aspects of analytical and biophysical chemistry including: elemental analysis of foods, spectrophotometry, chromatographic techniques, preparation of buffers, fundamentals of pH measurement; emulsions, foams and gels. An additional five laboratory sessions are concerned with the properties of carbohydrates, lipids, amino acids, proteins and nucleic acids. Laboratory classes include instruction in the safe handling of chemicals and safe practices in chemical laboratories.

AGCH 3024 Chemistry and Biochemistry of Foods

6 credit points. Assoc Prof Copeland. **Session:** 1. **Classes:** 3 lec & 1 tut/wk. 8x3hr pracs. **Prerequisite:** MBLG (2001 and 2002); and either [CHEM (2311 and 2312) or 2903], or BCHM (2002 or 2902). **Prohibition:** May not be counted with AGCH (3003 or 3005 or 3017 or 3025). **Assessment:** One 2hr exam (50%), One major assignment (25%), Practical Reports (25%).

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 doughs 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. Each practical will incorporate a tutorial introducing the background to the characterisation technique employed. Particular emphasis will be placed on the development of practical skills and critical thinking about the implications of experimental data. 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.

The tutorials will provide an introduction to each of the practical exercises, and will also cover topical issues in food science, including food quality, food labelling and food security and genetically modified foods.

AGCH 3025 Chemistry and Biochemistry of Foods A

6 credit points. Dr Edith Lees. **Session:** 1. **Classes:** 3 lec, 1 tut/wk; 24hr prac. **Prerequisite:** 8 credit points of intermediate units in Agricultural Chemistry, Chemistry or Biochemistry. **Prohibition:** May not be counted with AGCH (3003, 3005, 3017, 3024). **Assessment:** One 2hr theory exam, one 1hr theory of prac exam, assignment, 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 doughs 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. Dr Edith Lees. **Session:** 1. **Classes:** 2hr lec/seminar/workshop/wk; site visits; 24 hr prac. **Corequisite:** AGCH 3025. **Prohibition:** May not be counted with AGCH (3003, 3005). **Assessment:** Oral presentations (2), written assignments (2), 1 hr theory of prac exam, prac reports.

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. Prof Kennedy (Coordinator), Dr Caldwell, Prof Copeland. **Session:** 1. **Classes:** 6-day field trip in orientation week, 21 hr lec & 25 hr prac. **Prerequisite:** AGCH (2001 or 2002) or CHEM (2001, 2101, 2202, 2301, 2302 or 2902) or BIOCHEM (2002 or 2902) or ENVI (2001 or 2002). **Prohibition:** AGCH 3020 and AGCH 3021 and AGCH 3022. **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, heavy metal content 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, 4; mechanisms of tolerance and phytoremediation, 2; risk assessment of pesticides including herbicides, their mode of action and environmental fate, 5; analysis and monitoring of pesticide residues by GC, GC-MS and immunoassay (ELISA), 3; maximum residue limits (MRLs) and residue surveys, 2; remediation of pesticides in ecosystems, 2; design of new pesticides and means of pest control, 3. 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. Prof Kennedy (Coordinator), Dr Caldwell, Prof Copeland. **Session:** 2. **Classes:** 5-day field trip in AVCC common break; 21 hr lec and 30 hr prac and project. **Prerequisite:** AGCH (2001 or 2002) or CHEM (2001 or 2101 or 2202 or 2301 or 2302 or 2902) or BIOCHEM (2002 or 2902) or ENVI (2001 or 2002). **Prohibition:** AGCH 3020, AGCH 3021, AGCH 3022. **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, 2; photosynthesis, 2; nitrification and denitrification, 2; biological nitrogen fixation, 2; sulphur metabolism, 1; production of greenhouse gases, 1; pH balancing and efficient nutrient uptake, 1; acidification of ecosystems and effects on plants and animals, 3; remediation and control of greenhouse emissions, 2; bioremediation of acidification and salinisation, 2. 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 2001 Soil Properties and Processes

8 credit points. Dr Cattle. **Session:** 1. **Classes:** 3 lec, 1 tut, 3hr prac/wk; and 1 day of fieldwork. **Prerequisite:** CHEM 1002 or equivalent and 12 credit points of Junior Mathematics or PHYS 1003 or 1004. **Assessment:** One 3hr written exam, one 2hr prac exam, quizzes and prac exercises. 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 New South Wales are studied in relation to their formation, properties and classification.

Textbooks

White RE. Principles and Practice of Soil Science: The Soil as a Natural Resource. Blackwell Science, 1997

SOIL 2002 Soil Resources and Conservation

8 credit points. Dr Singh. **Session:** 2. **Classes:** 4 lec & 3hr prac/wk; 5 days in the field in the week prior to the commencement of the July Semester. **Prerequisite:** SOIL 2001 or GEOL (1002 or 2004) or GEOG 1001 or ENVI 2001. **Prohibition:** May not be counted with GEOG 3002. **Assessment:** One 3hr exam, reports on field and lab work.

Lectures on classification of soil, soil survey, pedological processes, geomorphology and soil stratigraphy, geostatistics and their application to land evaluation for rural purposes, the forms of land degradation occurring in Australia, the management of the soil environment and processes and management conducive to sustainable soil husbandry. Five days' field work in the last week of the mid-year break will take place at a country location and involves landscape description and the description, mapping and sampling of soil profiles for the purpose of assessing land-use capability and field variability of soil properties. The field-work component is a compulsory part of the unit of study.

Practical: Thirty-six hours of laboratory work involves routine physical, chemical and statistical analyses of samples taken in the field relevant to assessment of the land-use potential and the quantification of the soil variability and soil degradation at the survey site.

SOIL 3001 Environmental Soil Science A

12 credit points. Prof. McBratney (Coordinator), Dr Cattle. **Session:** 1. **Classes:** 3 lec, 1 tut & 6hr prac/wk, 10 days in the field. **Prerequisite:** SOIL 2001. **Assessment:** Two 2hr exams, field and prac reports, problem sets, mini-lectures.

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.

This unit of study covers physics and pedology.

Physics

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 fundamentals of numerical computer modelling of soil physical processes.

Five days' field-work, in the week prior to the beginning of the February Semester, involves field measurement of soil physical properties such as shear and tensile strength, electrical resistivity, hydraulic conductivity and infiltration rates and moisture content

Pedology

The main part of this unit of study the pedological characterisation of a number of contrasting soil profiles sampled during the pre-semester field-trip. This 5-day field-trip is made 2 weeks prior to the beginning of the February semester and involves the study and sampling of soil through central and northern NSW. The methods of study include particle-size analysis and extraction of a 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. Scanning electron microscopy is used to examine surface features and mineral composition. The unit of study includes a weathering study which traces the changes from a rock parent material up through the soil profile. Thin sections of the rock and profile are examined and the main features identified and quantified. The data from micromorphological investigations and clay mineral assessments are used to provide an understanding of the pedogenesis of the particular soil samples.

A detailed study, including exercises, is made of the USDA soil classification system, Soil Taxonomy, and the Australian Soil Classification.

Reference books

FitzPatrick EA. Soils. Longman, 1980
FitzPatrick EA. Micromorphology of Soils. Chapman & Hall, 1984
Isbell RF. The Australian Soil Classification, CSIRO Publishing, 1996
Kirkman D, & Powers WL. Advanced Soil Physics. Wiley 1972
Loveday J (ed.). Methods for Analysis of Irrigated Soils. C.A.B., 1974
Richler J. The Soil as a Reactor. Catena Verlag, 1987
Young A & Young R Soils in the Australian Landscape. Oxford University Press, 2001

SOIL 3002 Environmental Soil Science B

12 credit points. Dr Singh, Prof. McBratney, Dr Cattle. **Session:** 2. **Classes:** 3 lec, 1 tut & 8hr prac/wk. **Prerequisite:** SOIL 2001; and AGCH 2001 or CHEM (2001 or 2101 or 2202 or 2301 or 2302) or BCHM (2002 or 2902). **Assessment:** Two 2hr exams, lab reports, problem sets, essays.

This 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. This unit of study covers advanced soil chemistry and methods of soil analysis.

Soil Chemistry: The lecture topics include the structure and chemistry of inorganic components, surface charge of soil minerals, chemistry of soil organic matter, ion exchange, ion sorption, soil solution-solid phase equilibria and redox chemistry of soils.

Methods: Topics to be covered will include the use of algorithms and simulation modelling in soil science, techniques for soil structural assessment, techniques for dating the age of soil materials, and the use of electron microscopy and X-ray based techniques in soil science. Practicals will involve the writing of computer programs for modelling applications, soil structural assessment of samples using image analysis, radiocarbon dating of field samples, and the use of electron microscopy and X-ray diffraction to identify soil constituents.

Reference books

Evangelou V P Environmental Soils and Water Chemistry. John Wiley & Sons New York. 1998
Lindsay W L Chemical Equilibria in Soils. John Wiley & Sons New York. 1979
McBride M B Environmental Chemistry of Soils. Oxford University Press New York. 1994
Sparks D L Environmental Soil Chemistry. Academic Press London. 1995
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 neurosciences must wear a laboratory coat or gown in tutorial rooms and a gown in dissection rooms and must wear gloves when handling cadaveric material.

ANAT 2001 Principles of Histology

4 credit points. A/Prof Byrne. **Session:** 1. **Classes:** 4hr/wk, usually 2 lec & 2 prac. **Prerequisite:** 12 credit points of Junior Biology or Junior Psychology. **Assessment:** One 1hr exam, one 1hr prac exam, 2 theory quizzes, 2 prac quizzes.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended

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. Instruction also includes a focus on practical applications of histological techniques and analysis for research.

Textbooks

Ross MH, Romrell LJ, & Kaye G I. Histology: A Text and Atlas. (3rd edn), Williams & Wilkins, 1995

Histology Practical Book (consult Departmental noticeboards)

Reference Books

Alberts B et al. Molecular Biology of the Cell. Garland: N.Y., 1994

The histology text and practical book are to be purchased before the first practical class

ANAT 2002 Comparative Primate Anatomy

4 credit points. Dr Denise Donlon. **Session:** 2. **Classes:** 4hr/wk, usually 2 lec & 2 prac/tut. **Assumed knowledge:** Knowledge of basic vertebrate biology. **Prerequisite:** 12 credit points of Junior Biology or Junior Psychology or Junior Archaeology. **Assessment:** One 1hr theory exam (50%), one 1hr prac exam (30%), quizzes and worksheets (20%).

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study 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 hand in manipulation and locomotion, bipedalism, climbing and brachiation in apes, and the changes in pelvic anatomy associated with bipedalism and their obstetric consequences.

Textbooks

Kapit, W & Elson, LM. The Anatomy Colouring Book. Addison-Wesley, 1993

Reference Books

Aiello, L & Dean, C. An Introduction to Human Evolutionary Anatomy. Academic Press, 1990

Zihlman AL. The Human Evolution Colouring Book. Barnes & Noble Books: Sydney, 1982

ANAT 2003 Concepts in Neuroanatomy

4 credit points. Dr John Mitrofanis. **Session:** 2. **Classes:** 2hrs lec & 2hr prac/wk. **Assumed knowledge:** Background in basic mammalian biology. **Prerequisite:** 12 credit points of Junior Biology or Junior Psychology. **Assessment:** One 1.5hr theory exam; one 1-hr prac exam.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study introduces students to the structural organization of the central nervous system, exploring the anatomy, histology, and aspects of the chemical architecture of the mammalian brain and spinal cord. Some comparison is made with invertebrate species. Students are introduced to the structural and neurochemical specializations of neurons and their micro-environment. Other topics considered include special senses, the autonomic and peripheral nervous system, the development and aging of the primate brain. This unit of study will be of general interest to students studying science and related disciplines, and will prepare students for neuroscience study at higher levels.

ANAT 2004 Principles of Embryology

4 credit points. Ms R Arnold. **Session:** 2. **Classes:** 2hrs lec & 2hrs prac/wk. **Qualifier:** ANAT 2001. **Assessment:** One 1hr theory exam, one 1hr prac exam, one 1200 word essay.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study covers the normal early development of whole embryos along with the later development of selected organ systems. The unit is based on human and pig development but other vertebrate species are considered as well. Emphasis is placed on mechanisms guiding development and on the experimental methods used to elucidate these mechanisms. The unit of study also includes an introduction to teratology and a few of the more common or interesting anomalies of development.

ANAT 3001 Microscopy and Histochemistry

12 credit points. Prof Chris Murphy, Ms R Arnold. **Session:** 1. **Classes:** 4hr lec & 8hr lab/wk. **Prerequisite:** ANAT 2001. For BMedSc students: 32 credit points of Intermediate BMED units including BMED (2503, 2504, and 2505). **Assessment:** 3hr theory exam, 1hr prac exam, practical reports and/or essays.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The aims of the unit of study are to provide understanding of why biological tissues need to be specially prepared for microscopic examination, how differing processing methods can yield different types of morphological information; to allow students to understand different types and modalities of microscopes, how they function and the differing information they can provide; to develop an understanding of why biological material needs to be stained for microscopic examination; to allow students to understand how biological material becomes stained; to develop understanding of the chemical information provided by biological staining methods and allow students to develop skills in diverse histochemical staining procedures – dyes, enzymes and antibodies.

Textbooks

Kiernan, JA. Histological and Histochemical Methods (3rd edn), Butterworth, 1999.

ANAT 3002 Cells and Development

12 credit points. Dr Frank Lovicu. **Session:** 2. **Classes:** 12hr/wk.

Assumed knowledge: (i) an understanding of the basic structure of vertebrates; (ii) an understanding of elementary biochemistry and genetics. **Prerequisite:** ANAT 2001. For BMedSc students: 32 credit points of Intermediate BMED units including BMED (2503, 2504, and 2505). **Prohibition:** May not be counted with ANAT 3003. **Assessment:** Theory exam and practical assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

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 examined in a range of animals, mainly vertebrates. The parts played by inductive cell and tissue interactions in differentiation, morphogenesis and pattern formation are studied at cellular and molecular levels. The unit of study also covers the design of experimental procedures using appropriate molecular and cellular techniques to answer developmental questions.

Textbooks

Gilbert SF. Developmental Biology. (6th edn) Sinauer Associates Inc: Sunderland, Mass. 2000

ANAT 3003 Transmission & Scanning Electron Microsc

12 credit points. Dr M. Anne Swan, Dr Allan Jones. **Session:** 2. **Classes:** 4 hrs lec & 8 hrs lab/wk. **Prerequisite:** ANAT 2001. For BMedSc students 32 credit points of intermediate BMED units including BMED (2503, 2504 & 2505). **Prohibition:** ANAT 3002. **Assessment:** 2x2hr theory exams, practical reports and a project.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The course is run conjointly by the Department of Anatomy & Histology and the Electron Microscope unit. The course will provide training in the theory and practice of operating 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 undertake research and apply their knowledge to complete a project on electron microscopy of a biological sample. Students will also receive theoretical and practical training in laser scanning confocal microscopy including the use of fluorescent probes to visualise cell organelles and cellular processes.

Textbooks

Bozzola JJ and Russell LD. Electron Microscopy (2nd Ed.), Jones and Bartlett Publishers, 1999.

Reference book

John C. Russ. The Image Processing Handbook (3rd Ed), CRC Press, 1998.

ANAT 3004 Cranial and Cervical Anatomy

6 credit points. Ms Robin Arnold. **Session:** 2. **Classes:** 1 lec, 2hr dissection, 3hr prac/tut. **Prerequisite:** ANAT 2002. **Prohibition:** May not be counted with ANAT 3005. **Assessment:** One 1.5hr theory exam, one 1hr prac exam, one 2500 word essay, continuous assessment (10%).

NB: Not more than 12 credit points allowed from ANAT 3004, ANAT 3007 & ANAT 3008. The completion of MBLG (2001 or 2101 or 2901) 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. Dissection classes enable 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 Clemente, C.O. A Regional Atlas of the Human Body. Williams and Wilkins.

ANAT 3006 Forensic Osteology

6 credit points. Dr Donlon. **Session:** 1. **Classes:** 2 lec, 2hr tut & 2hr prac/week. **Assumed knowledge:** Understanding of basic human musculoskeletal anatomy. **Prerequisite:** ANAT 2002 or 32 credit points of Intermediate BMED units including BMED (2503, 2504 and 2505).

Assessment: 1hr theory exam, 1/2 hr prac exam, continuous assessment, case study.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study aims to introduce students to the area of forensic osteology, which is the study of human skeletal remains within the legal context. Thus the unit of study aims to help students learn about human morphology and variation through the investigation and identification of human bones. It will also help students gain skills in observation and rigorous record taking and in analysis and interpretation. Production of case reports and practice in acting as 'expert witness' will improve students written and oral skills. An additional objective will be to assist students in learning to deal with legal and ethical issues.

Textbooks

Bass WM. Human Osteology: A laboratory and field manual. 4th edition. Missouri Archaeological Society: Missouri, 1995.

ANAT 3007 Visceral Anatomy

6 credit points. Ms R Arnold. **Session:** 1. **Classes:** 2hrs lec & 4hrs prac/wk. **Assumed knowledge:** Some knowledge of basic mammalian biology. **Prerequisite:** ANAT (2002 or 2003) or 32 credit points of Intermediate BMED units including BMED (2503, 2504 and 2505).

Assessment: One 1.5hr theory exam, one 1hr prac exam, one 1200 word essay.

NB: Not more than 12 credit points allowed from ANAT 3004, ANAT 3007 & ANAT 3008. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

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.

ANAT 3008 Musculoskeletal Anatomy

6 credit points. Dr R Ward. **Session:** 2. **Classes:** 2 lec, 2 x2 hr tut/prac/wk. **Prerequisite:** ANAT 2002. **Prohibition:** May not be counted with ANAT 3005. **Assessment:** One assignment, 1hr prac exam, 1.5hr theory exam.

NB: Not more than 12 credit points allowed from ANAT 3004, ANAT 3007 and ANAT 3008. The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

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.

Textbooks

Mackinnon and Morris. Oxford Textbook of Functional Anatomy, Vol. 1 (Musculoskeletal). Oxford University Press. 1990

Clemente, C.O. A Regional Atlas of the Human Body. Williams and Wilkins

ANAT 3005 Topographical Anatomy

12 credit points. Dr Robin Arnold. **Session:** 2. **Classes:** 3 lec & 9 tut or prac/wk. **Prerequisite:** BMED (2101 and 2102) or 32 credit points of Intermediate BMED units including BMED (2503 and 2504 and 2505). **Prohibition:** ANAT (3004 or 3008). **Assessment:** One 3hr exam, one prac exam, one 2500w essay.

NB: This unit of study is available to students enrolled in the Bachelor of Medical Science only.

This unit of study comprises two strands of topographical anatomy – head and neck anatomy and musculo-skeletal anatomy. The anatomy of the head and neck region will be studied in one lecture, one tutorial and one dissection class per week. The unit of study includes study of the human skull and upper vertebral column and the associated musculatures; the anatomy and functional anatomy of the eye, ear, nose and sinuses; larynx and pharynx are also covered. Emphasis is given to the composition and distribution of the twelve cranial nerves. Musculoskeletal anatomy is covered in two lectures and two tutorials/practical sessions per week. The musculoskeletal system of the trunk and lower limb is studied with particular reference to posture and locomotion. This is contrasted with the structural specialisation of the upper limb for its manipulative and tactile functions.

Textbooks

Mackinnon and Morris. Oxford Textbook of Functional Anatomy, Vol 3: Head & Neck. Oxford University Press. 1990

Clemente, C.O. A Regional Atlas of the Human Body. Williams and Wilkins.

Anatomy 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.

Histology Honours and Graduate Diploma

Histology Honours may be taken by students who have completed, to the required standard, at least one of the Senior semester units of study in Histology offered by the Department of Anatomy and Histology. Students who have taken only one of the semester units of study may be restricted to particular Honours projects that are related to that unit of study.

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 students from an intermediate level. This includes the fundamental principles governing the structure, function and interactions of biological molecules and leads to an understanding of the molecular nature of living systems.

The comprehensive intermediate program in biochemistry includes Biochemistry (BCHM 2011–8 credit points), Molecules, Metabolism and Cells (BCHM 2002–8 credit points) and a faculty unit of study Molecular Biology & Genetics A (MBLG 2001–8 credit points). For those students who have not completed junior biology but have completed 12 credit points of Junior Chemistry the combination of BCHM 2011 and MBLG 2001 allows students to enter the Biochemistry program and progress to the Senior units of study. For those students who have completed both junior Biology and Chemistry, MBLG 2001 and BCHM 2002, constitute a basic intermediate program in biochemistry which also leads to the Senior units of study. The Senior program consists of Molecular Biology And Structural Biochemistry (BCHM 3001–12 credit points), Functional Genomics and Proteomics (BCHM 3098–6 credit points) and Cellular and Medical Biochemistry (BCHM 3002–12 credit points). Taken together the combination of BCHM 3001 and BCHM 3002 constitute a major in Biochemistry. In addition BCHM 3098 links core biochemistry to recent innovations in biomedical science and biotechnology. Advanced units of study based on four one-semester units of study, MBLG 2901, BCHM 2902, BCHM 3901 and BCHM 3902 are available to qualified students. Additional theory only Intermediate units of study are

offered in MBLG 2101 (4 credit points) and BCHM 2102 (4 credit points). The units of study BCHM 3004 and 3904 are only available to students in the Bachelor of Science (Molecular Biology and Genetics) degree and students seeking further information should consult the relevant Tables earlier in this chapter as well as degree information in chapter 2 of this handbook.

Advice on units of study

Students are strongly advised to discuss unit of study choices with members of staff present among faculty advisers during the enrolment period. This applies even to students enrolling in Junior units of study and who are contemplating taking Biochemistry in a subsequent year. Certain Junior units of study are recommended depending upon the related area of Biochemistry in which a student may wish to study in their Senior year. School advisers listed in the handbook should be consulted during the period prior to enrolment and during orientation.

Summer School

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/

Biochemistry Intermediate units of study

BCHM 2011 Biochemistry

8 credit points. Dr Collyer, Dr Hancock. **Session:** 1. **Classes:** 3 lec & 5 hr prac/wk. **Assumed knowledge:** CHEM (1101 and 1102). **Prerequisite:** 12 credit points of Junior Chemistry. **Corequisite:** Recommended concurrent units of study: MBLG (2001 or 2901) for progression to Senior Biochemistry, and/or Intermediate Chemistry. **Assessment:** One 3hr exam, one 2hr theory of prac exam and prac tasks.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit provides an introduction to the physical and chemical activities of proteins, the role of carbohydrates, and the functioning of membranes in cells. 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 complements the protein science presented in MBLG 2001 and BCHM 2002 and is ideally suited to students studying intermediate Chemistry together with Biochemistry. The practical course nurtures technical skills in biochemistry that include protein preparation, the analysis of protein structure, protein-protein interactions and functional assays.

Textbooks

Mathews, Van Holde & Ahern, Biochemistry, 3rd Edition Addison Wesley Longman 2000
or Garrett RH & Grisham CM. Biochemistry, 2nd Ed. Saunders 1999
Resource Manual for Biochemistry 2 Practical Sessions, Sem 2

BCHM 2002 Molecules, Metabolism and Cells

8 credit points. Dr Denyer, Dr Hancock, Biochemistry staff. **Session:** 2, Summer. **Classes:** 3 lec & 5 prac/wk & voluntary tutorials. **Prerequisite:** MBLG (2001 or 2901). **Prohibition:** May not be counted with AGCH 2001 or BCHM (2102 or 2902). **Assessment:** One 3hr exam, one 2hr theory of prac exam, prac tasks.

This unit of study aims to describe how cells work at the molecular level. The chemical reactions which occur inside cells is described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to function and communicate are described in the second half of the unit of study, Molecular Aspects of Cell Biology. At every stage the unit of study relates how the function of each individual cell is coordinated and integrated with other cells, especially in humans.

Cellular Metabolism: How cells extract energy from fuel molecules like fatty acids and carbohydrates. The regulation of energy metabolism. How the body selects which fuels to use under different circumstances such as starvation and exercise. The metabolic inter-relationships of the muscle, brain, adipose tissue and liver. The role of hormones in coordinating the regulation of fuel utilisation and the mobilisation of fuel stores. How cells lay down stores of fuels. The synthesis and storage of fat and carbohydrate. The digestion of fats, starches and sugars and the use of ingested materials to make new cellular components. Synthesis and use of biochemical building blocks. The strategies and mechanisms involved in biochemical reactions and the involvement of coenzymes and vitamins in biological inter-conversions.

Molecular Aspects of Cell Biology: Sub-cellular engineering; cytoskeleton and molecular motors. Intracellular motion and the mechanism of muscle contraction. Cell membranes and cell walls. Transport across cell membranes. Communication between cells via cell surface receptors. The molecular mechanism of hormone action and the transduction of cellular signals.

Practical: The practical component complements the theory component of BCHM 2002 by exposing students to experiments which investigate the effects of diet on the constituents of urine, the diagnosis of chronic disease using blood enzyme patterns, the measurement of glucose metabolism using radioactive tracers and the design of biochemical assays. During the unit of study, the generic skills developed in the practical component of MBLG 2001 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. The techniques of radioisotope handling, enzyme and metabolite assay design, spectrophotometry and metabolic flux measurement will be taught as well as the basic laboratory abilities mastered in MBLG 2001.

Textbooks

Garrett RH & Grisham CM. Biochemistry. Saunders 1999
Resource Manual for Biochemistry 2 Practical Sessions, Sem 2
Study Resource for Biochemistry 2002 (Study Guides and Past Papers)

BCHM 2102 Molecules, Metabolism and Cells Theory

4 credit points. Dr Denyer, Dr Hancock, Biochemistry staff. **Session:** 2, Summer. **Classes:** 3 lec/wk. **Prerequisite:** MBLG (2001 or 2101 or 2901). **Prohibition:** May not be counted with AGCH 2001 or BCHM (2002 or 2902). **Assessment:** One 3hr exam.

This unit of study comprises just the lecture component of BCHM 2002.

Textbooks

Garrett RH & Grisham CM. Biochemistry. Saunders 1999
Study Resource for Biochemistry 2002 (Study Guides and Past Papers)

BCHM 2902 Molecules, Metabolism and Cells (Adv)

8 credit points. Dr Denyer, Dr Hancock, Biochemistry staff. **Session:** 2. **Classes:** 3 lec & 5 prac/wk, voluntary tutorials & advanced tutorials. **Qualifier:** Distinction in MBLG (2001 or 2901). **Prohibition:** May not be counted with AGCH 2001 or BCHM (2002 or 2102). **Assessment:** One 3hr & one 1hr theory exam, one 2hr theory of prac exam, prac tasks, special assignments.

The lecture and practical components are the same as for BCHM 2002. Selected students will be set special advanced assignments, and attend advanced tutorials.

Textbooks

Garrett RH & Grisham CM. Biochemistry. Saunders 1999
Resource Manual for Biochemistry 2 Practical Sessions, Sem 2
Study Resource for Biochemistry 2002 (Study Guides and Past Papers)

BCHM 2112 Molecules, Metabolism and Cells (Lab)

4 credit points. Dr Dale Hancock. **Session:** 2. **Classes:** 1 tut & 3 prac/wk. **Prerequisite:** BCHM 2102. **Prohibition:** BCHM (2002 or 2902). **Assessment:** One 2hr exam and 4 prac assessment tasks.

This unit of study comprises the laboratory component of BCHM 2002.

Textbooks

Laboratory Resource Manual

Biochemistry Senior units of study

BCHM 3001 Mol Biology and Structural Biochemistry

12 credit points. Dr Easterbrook-Smith, Mrs Johnston, Biochemistry staff. **Session:** 1. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** A total of at least 16 credit points of Intermediate MBLG and BCHM units. For BMedSc students: 32 credit points of Intermediate BMED units including BMED (2501, 2502 and 2504). **Prohibition:** May not be counted with BCHM 3901. **Assessment:** One 3hr exam, one 2hr exam, prac work.

This unit of study is designed to build on the units of study MBLG 2001 and BCHM 2002. It provides comprehensive training in molecular biology (with emphasis on eukaryotic systems) and structural biochemistry.

The lectures are divided into two topic areas. The Molecular Biology section provides a thorough description of modern molecular biology, particularly the molecular basis of cell cycle control, the biochemistry of apoptosis, proteins that mediate gene expression, investigating promoter activity and enhancer action, the biochemical basis of differentiation of eukaryotic cells, the molecular basis of imprinting, the role of RNA in gene expression and molecular techniques for understanding regulation. The Structural Biochemistry section addresses the important areas of protein structure and protein folding in vivo,

ligand binding, macromolecular interactions and examples of structure based drug design.

Practical: The practical component is designed to complement the lecture series and to provide students with experience in a wide range of techniques used in molecular biology and protein biochemistry laboratories. Practical classes run for an average of 8 hours over 2 days. Students are allocated to the Monday/Tuesday class or to the Wednesday/Thursday class according to their other subjects.

Textbooks

Lewin B. Genes VII. OUP. 2000

Branden C. and Tooze J. Introduction to Protein Structure. 2nd edition, 1999, Garland

BCHM 3002 Cellular and Medical Biochemistry

12 credit points. Dr Easterbrook-Smith, Mrs Johnston, Biochemistry staff. **Session:** 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** A total of at least 16 credit points of Intermediate MBLG and BCHM units. For BMedSc students 32 credit points of Intermediate BMED units including BMED (2501, 2502 and 2504). **Prohibition:** May not be counted with BCHM (3902, 3004 or 3904). **Assessment:** One 3hr exam, one 2hr exam, prac work.

This unit of study is designed to build on the units of study MBLG 2001 and BCHM 2002. It involves the integration of basic knowledge in Biochemistry and Molecular Biology to give an understanding at the molecular level, of the function of cells and the body as a whole.

The lectures are divided into several areas including: signal transduction and the molecular basis of cell:cell interactions, the biochemistry of membrane transport, phagocytosis and receptor-mediated endocytosis, protein trafficking in eukaryotic cells,

molecular immunology and its applications to cellular biochemistry, medical molecular biology, and links between intermediary metabolism and cellular biochemistry. The biochemical basis of some diseases, especially cancer and diabetes, will be used to illustrate many of these topics.

Practical: The practical component is designed to complement the lecture series and to provide students with experience in a wide range of techniques used in modern biochemistry laboratories. Practical classes run for an average of 8 hours over 2 days. Students are allocated to the Monday/Tuesday class or to the Wednesday/Thursday class according to their other subjects.

Practical: The practical component is designed to complement the lecture series and to provide students with experience in a wide range of techniques used in modern biochemistry laboratories. Practical classes run for an average of 8 hours over 2 days. Students are allocated to the Monday/Tuesday class or to the Wednesday/Thursday class according to their other subjects.

Textbooks

Cooper GM. The Cell: A Molecular Approach. ASM Press, 2000

BCHM 3004 Cellular and Medical Biochemistry Mol

12 credit points. Dr S B Easterbrook-Smith. **Session:** 2. **Classes:** 4 lec & 8 prac/wk & 4 seminars. **Prerequisite:** A total of at least 16 credit points of Intermediate MBLG and BCHM units. **Prohibition:** BCHM (3002, 3902 or 3904). **Assessment:** One 3hr & one 2 h exam, prac work.

This unit of study is the same as BCHM 3002, except for the addition of four special molecular biology and genetics discussion sessions.

Textbooks

As for BCHM 3002.

BCHM 3005 Computational Biochemistry

4 credit points. Dr Peter Mulquiney, Prof Philip Kuchel. **Session:** N/A in 2004. **Classes:** Average 1.5 lec & 2.5 prac/wk. **Assumed knowledge:** 12 credit points of Junior Chemistry. **Prerequisite:** 8 credit points of Intermediate Mathematics units of study. Strongly recommend two of the following: MATH (2001/2901, 2002/2902, 2003/2903, 2005/2905, 2006/2906). **Prohibition:** May not be counted with BCHM 3905. **Assessment:** Project report 50%, 2 hr exam 50%.

The behaviour of cells and organs is the result of large and complex networks of molecular processes. To fully appreciate how these molecular events result in physiological function at the cellular level, and in turn, at the tissue and organ levels, computational analysis is required.

This unit provides an introduction to the theory and techniques used to develop computational models of biochemical and cellular processes. The unit will cover the kinetics of single enzyme reactions, transport processes and ion channels; coupled enzymic reactions; linear and branched arrays of reactions with positive and negative feed-back and feed forward control; and the underlying numerical procedures used in solving arrays of non-

linear differential equations. Then a systematic development of metabolic control theory will be given. We will also cover techniques for parameter estimation and will finish the unit by examining models of a number of important biochemical and physiological processes such as: cardiac action potential wave propagation, calcium oscillations and waves, the regulation of gene expression, and cell signaling processes. A major component of assessment will be a project carried out in the second half of the unit.

Textbooks

Mulquiney, PJ & Kuchel PW, Modelling Metabolism with Mathematica (prior to publication in 2003, available on-line or as a CD from Dr Peter J. Mulquiney or Professor Philip W. Kuchel).

BCHM 3098 Functional Genomics and Proteomics

6 credit points. Dr K Downard. **Session:** 1. **Classes:** 3 lec & 1 tut/wk, 4 workshops or major assignments. **Assumed knowledge:** BCHM 2011. **Prerequisite:** MBLG (2001 or 2901) or at least 32 credit points of intermediate BMED units including BMED (2501 and 2502 and 2504). **Assessment:** One 3 hour theory exam, tutorials, and workshops/ assignments.

NB: Recommended unit of study for all molecular biotechnology third-year students.

This unit of study will introduce students to the emerging fields of functional genomics and proteomics and will focus on principles and methodologies associated with mapping of genomes, understanding gene function and expression, and identifying the structure and function of the proteins that these genes express. The course consists of four sections or modules on Functional Genomics, Structural Genomics, Proteomics, and Bioinformatics and Computational Biochemistry. Each section or module comprises approximately 10 lectures, tutorials and one-day workshop or assignment and will cover the following areas: mapping and sequencing of the human genome, complexity of the human genome compared to prokaryotes, protein expression in eukaryotes and prokaryotes, levels and implications for proteome analysis, introduction to protein identification, introduction to functional genomics, Rosetta stone concept, gene technology including expressed sequence tags, serial analysis gene expression (SAGE), microbead technology, cDNA and oligonucleotide microarrays, statistical analysis and clustering methods, mutagenesis screens, two and three-hybrid screening, experimental methods used in structural genomics – xray and nmr spectroscopy, protein domains and organization, protein-protein interactions, global versus functional proteomics, protein recovery from cells and tissues, platforms and technologies for automated protein identification and quantitation, two-dimensional gel electrophoresis, visualisation methods, robotic gel excision and blotting, mass spectrometry, mass maps and sequence tags, tandem mass spectrometry and protein sequencing, automation and sample handling, membranes and other supports, protein microarrays and protein chips, genome and protein databases, HTML and other Web based languages, tools for sequence identification and alignment, scoring factors, protein structure prediction, homology and other modelling methods, threading, visualisation tools and dynamic simulations of protein folding.

Textbooks

Gibson and Muse, A Primer in Genome Science, Sinauer Associates Inc., 2002

Pennington and Dunn (eds.) Proteomics – from protein sequence to function, Springer-Verlag 2001

BCHM 3901 Mol Biology and Structural Biochem (Adv)

12 credit points. Dr Easterbrook-Smith, Mrs Johnston, Biochemistry staff. **Session:** 1. **Classes:** 4 lec & 8 prac/wk & 4 seminars. **Prerequisite:** Distinction in a total of at least 16 credit points from Intermediate MBLG and BCHM units. For BMedSc students: 32 credit points of Intermediate BMED units including Distinctions in BMED (2501, 2502 and 2504). **Prohibition:** BCHM 3001. **Assessment:** One 3hr exam, one 2hr exam, assignment, prac work.

The lecture and practical components of this unit of study are the same as for BCHM 3001. Qualified students will attend seminars/practical classes related to the topics covered in the core lectures in this unit of study.

Textbooks

Lewin B. Genes VII, OUP. 2000

Branden C. and Tooze J. Introduction to Protein Structure. 2nd edition, 1999, Garland.

BCHM 3902 Cellular and Medical Biochemistry (Adv)

12 credit points. Dr Easterbrook-Smith, Mrs Johnston, Biochemistry staff. **Session:** 2. **Classes:** 4 lec & 8 prac/wk & 4 seminars. **Prerequisite:** Distinction in a total of at least 16 credit points from Intermediate MBLG and BCHM units. For BMedSc students: 32 credit points of Intermediate

BMED units including Distinctions in BMED (2501, 2502 and 2504). **Prohibition:** May not be counted with BCHM (3002, 3004 and 3904). **Assessment:** One 3hr exam, one 2hr exam, assignment, prac work. The lecture and practical components of this units of study are the same as for BCHM 3002. Qualified students will attend seminars/practical classes related to the topics covered in the core lectures in this unit of study.

Textbooks

Cooper GM. The Cell: A Molecular Approach. ASM Press. 2000

BCHM 3904 Cellular and Med Biochemistry Mol (Adv)

12 credit points. Dr Easterbrook-Smith, Mrs Johnston, Biochemistry staff. **Session:** 2. **Classes:** 4 lec & 8hr/wk & 4 seminars. **Prerequisite:** Distinction in a total of at least 16 credit points from Intermediate MBLG and BCHM units. **Prohibition:** May not be counted with BCHM (3002, 3902 or 3004). **Assessment:** One 3hr exam, one 2hr exam, assignment, prac work.

NB: This unit of study is available to students in the Bachelor of Science (Molecular Biology and Genetics) only.

This unit of study is the same as BCHM 3002/3902 except for the addition of seminars and discussions in this discipline.

Textbooks

Cooper GM. The Cell: A Molecular Approach. ASM Press, 2000

BCHM 3905 Computational Biochemistry (Advanced)

4 credit points. Dr Peter Mulquiney, Prof Philip Kuchel. **Session:** N/A in 2004. **Classes:** Average 1.5 lec & 2.5 prac/wk. **Assumed knowledge:** 12 credit points of Junior Chemistry. **Prerequisite:** Credit average in 8 credit points of Intermediate Mathematics units of study. Strongly recommend two of the following: MATH (2001/2901, 2002/2902, 2003/2903, 2005/2905, 2006/2906). **Prohibition:** May not be counted with BCHM 3005. **Assessment:** Project report 50%, 2 h exam 50 %.

The behaviour of cells and organs is the result of large and complex networks of molecular processes. To fully appreciate how these molecular events result in physiological function at the cellular level, and in turn, at the tissue and organ levels, computational analysis is required.

This unit provides an introduction to the theory and techniques used to develop computational models of biochemical and cellular processes. The unit will cover the kinetics of single enzyme reactions, transport processes and ion channels; coupled enzymic reactions; linear and branched arrays of reactions with positive and negative feed-back and feed forward control; and the underlying numerical procedures used in solving arrays of non-linear differential equations. Then a systematic development of metabolic control theory will be given. We will also cover techniques for parameter estimation and will finish the unit by examining models of a number of important biochemical and physiological processes such as: cardiac action potential wave propagation, calcium oscillations and waves, the regulation of gene expression, and cell signaling processes. A major component of assessment will be a project carried out in the second half of the unit.

Textbooks

Mulquiney, PJ & Kuchel PW, Modelling Metabolism with Mathematica (prior to publication in 2003, available on-line or as a CD from Dr Peter J. Mulquiney or Professor Philip W. Kuchel).

Biochemistry Honours

Dr Crossley, 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 cause of diabetes and/or obesity
- Structure and function of clusterin, a molecular chaperonin
- X-ray crystallography of proteins and drug DNA complexes
- Metabolic pathways in boar spermatozoa
- NMR studies of the solution structure of DNA binding proteins
- NMR studies of membrane transport and metabolism in cells

- Eukaryotic transcription factors
- Bioavailability of trace elements and biochemical indicators of their nutritional status
- The effect of fibre on blood and urinary estrogens
- Proteomics
- Bioinformatics
- Protein structure modeling
- Mass Spectroscopy
- Genomics
- Chromosome replication and cell division in bacteria
- Molecular biology of humans and yeasts
- Gene expression in transgenic mice
- Nutrition and cardiovascular risk factors
- Effects of dietary fatty acids on platelet function
- 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 and 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 even 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 BSc (Bioinformatics) students with knowledge in key areas of relevance to Bioinformatics. Hence, in the first year of their study, students devote time to units of study offered by the School of Mathematics and Statistics, School of Biological Sciences, School of Chemistry, and School of Information Technologies (see Table 1A). In the second and third year of their study, students divide time equally between the biosciences and the computational sciences (including mathematics and statistics), choosing units of study from those offered by the School of Biological Sciences, Molecular and Microbial Biosciences, Information Technologies, Mathematics and Statistics, Physics and the Department of Pharmacology(see Table 1A).

In the third year of their study, the students complete a unit of study (ie, BINF 3001 Bioinformatics Project) that is designed specifically with the aim to give them a chance to do real research, supervised by scientists from the bio-medical disciplines.

BINF 3001 Bioinformatics Project

8 credit points. Dr Lars Jermiin, A/Prof Ian Spence. **Session:** 2. **Classes:** 1 hr meeting with supervisor and 7hr project work/wk; 3-4 introductory lectures given by supervisor. **Prerequisite:** SOFT (2004 or 2904) and 16 credit points from intermediate Biology, Biochemistry, Microbiology, Molecular Biology and Genetics and/or Pharmacology. **Prohibition:** May not be counted with COMP 3206. **Assessment:** Quality of proposal (10%), application (50%), and report (40%). The assessment is done at a group level (groups comprise several students) for quality of proposal and application, and at the individual level for the report.

This unit of study is building on a real-case scenario involving an IT company and its clients, employers and employees. The client (ie, a university researcher with an interest in bioinformatics) contacts the company with the aim to obtain a bioinformatics application that will assist him/her in the pursuit of new avenues

of research and service provision. Terms of reference are drafted with the project managers (ie, the academics responsible for the unit of study) of the IT company, and are then presented to a small group of employees (ie, the students), who design and implement a plan of how to write and deliver the software.

■ 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 Carlaw. Students can make appointments by signing the form on the door of the offices of members of the academic staff members. Students are strongly advised to get acquainted with the staff and to use this service.

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

BIOL 1001 Concepts in Biology

6 credit points. **Session:** 1, Summer. **Classes:** 3 lec & 3 hrs prac/wk. **Assumed knowledge:** No previous knowledge required. Students who have not taken HSC biology are recommended to take the Biology Bridging Course. **Prohibition:** BIOL (1101 or 1901 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork.

Concepts in Biology is an introduction to the major themes of modern biology. Starting with interactions between organisms in biological communities, we move on to the diversity of microorganisms. This is followed by introductory cell biology, which particularly emphasises how cells obtain and use energy, and leads into an introduction to molecular biology through the role of DNA in protein synthesis and development. The genetics of organisms is then discussed, leading to consideration of theories of evolution and the origins of the diversity of modern organisms. It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

Textbooks

Knox R B et al. Biology. McGraw-Hill, 2nd ed, 2001.

BIOL 1101 Biology – Ecosystems to Genes

6 credit points. **Session:** 1. **Classes:** 3 lec & 3 hrs. prac/wk. **Prerequisite:** HSC 2-unit Biology or equivalent. **Prohibition:** BIOL(1001 or 1901 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork.

Biology – Ecosystems to Genes builds on a satisfactory prior knowledge of the HSC 2-unit biology course. A brief revision of the basic concepts of the high school course is given. Biology – Ecosystems to Genes builds on the main themes introduced in HSC biology to provide a background to the breadth of biology, including genetics of organisms, theories of evolution/origins of diversity of modern organisms, diversity of microorganisms, cell biology with emphasis on how cells obtain and use energy, modern molecular biology and interactions between organisms in biological communities. It is recommended that BIOL (1001 or 1101 or 1901) be taken before all other Junior units of study in Biology

Textbooks

Knox R B et al. Biology. McGraw-Hill, 2nd ed, 2001

BIOL 1901 Biology- Ecosystems to Genes (Advanced)

6 credit points. **Session:** 1. **Classes:** 3 lec & 3 hrs prac/wk. **Prerequisite:** 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. **Prohibition:** BIOL (1001 or 1101 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork.

NB: Department permission required for enrolment.

This unit of study is a more demanding alternative component of Biology – Ecosystems to Genes.

BIOL 1002 Living Systems

6 credit points. **Session:** 2. **Classes:** 3 lec, 1 sessions independent study & 2 hrs. prac/wk. **Assumed knowledge:** 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. **Prohibition:** BIOL (1902 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork.

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 et al. Biology. McGraw-Hill, 2nd ed, 2001.

BIOL 1902 Living Systems (Advanced)

6 credit points. **Session:** 2. **Classes:** 3 lec, 1 session independent study & 2 hrs. prac/wk. **Prerequisite:** 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. **Prohibition:** BIOL (1002 or 1904 or 1905 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork.

NB: Department permission required for enrolment.

This unit of study is a more demanding alternative component of Living Systems.

BIOL 1003 Human Biology

6 credit points. **Session:** 2, Summer. **Classes:** 2 lec, 1 session independent study & 3 prac/wk. **Assumed knowledge:** 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. **Prohibition:** BIOL (1903 or 1500) or EDUH 1016. **Assessment:** One 2.5hr exam, assignment, classwork.

This 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 the cells, control of body functions and defence mechanisms. After discussion of reproduction and development, it concludes with some modern studies and research 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 (2001 or 2002 or 2003 and 2004) and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.

Textbooks

Seeley, RR et al. Essentials of Anatomy and Physiology. McGraw Hill, 4th ed, 2002

Benjamin C L. et al. Human Biology. McGraw Hill, 2000 (Chapters 19, 20, 21, 22)

BIOL 1903 Human Biology (Advanced)

6 credit points. **Session:** 2. **Classes:** 2 lec, 1 session independent study & 3 hrs prac/wk. **Prerequisite:** 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. **Prohibition:** May not be counted with BIOL (1003 or 1904 or 1905 or 1500) or EDUH 1016. **Assessment:** One 2.5hr exam, assignment, classwork.

NB: Department permission required for enrolment.

This unit of study is a more demanding alternative component of Human Biology.

Textbooks

Seeley, RR et al. Essentials of Anatomy and Physiology. McGraw Hill, 4th ed, 2002

Benjamin C L. et al. Human Biology. McGraw Hill, 2000 (Chapters 19, 20, 21, 22)

BIOL 1904 Living Systems Molecular (Advanced)

6 credit points. **Session:** 2. **Classes:** 3 lec, 1 session independent study & 2hrs prac/wk, & 5 discussion sessions. **Assumed knowledge:** HSC 2-unit Biology or BIOL 1901 or equivalent. **Prohibition:** BIOL (1002 or 1003 or 1902 or 1903 or 1905 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork and an assignment based on discussion sessions.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only.

This unit of study is the same as BIOL 1902 except for the addition of 5 special molecular biology and genetics discussion sessions, which consist of topical seminars and discussions in this discipline. An essay based on these discussions can be included as part of the assessment of the unit of study.

BIOL 1905 Human Biology Molecular (Advanced)

6 credit points. **Session:** 2. **Classes:** 2 lec, 1 session independent study & 3hr prac/wk, & 5 discussion sessions. **Assumed knowledge:** HSC 2-unit Biology or BIOL 1901 or equivalent. **Prohibition:** BIOL (1002 or 1003 or 1902 or 1903 or 1904 or 1500). **Assessment:** One 2.5hr exam, assignments, classwork and an assignment based on discussion sessions.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only. This unit of study is the same as BIOL 1903 except for the addition of 5 special molecular biology and genetics discussion sessions, which consist of topical seminars and discussions in this discipline. An essay based on these discussions can be included as part of the assessment of the unit of study.

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 (2001 or 2901 or 2101) is highly recommended to be taken by Science students in combination with all 8 credit point Intermediate Biology units of study, and is a qualifying unit for BIOL (3018, 3025, 3026, 3027). Note that MBLG (2001 or 2901) is a prerequisite for students wishing to enrol in MBLG (2002 or 2902). See entry for MBLG 2002, 2902 and 2102, and under the heading Molecular Biology and Genetics.

The following Intermediate units of study are offered:

February Semester**Group 1**

- BIOL 2001 Invertebrate Zoology
- BIOL 2101 Invertebrate Zoology – Theory
- BIOL 2901 Invertebrate Zoology (Advanced)

Group 3

- BIOL 2004 Plant Ecology and Diversity
- BIOL 2904 Plant Ecology and Diversity (Advanced)

Group 6

- BIOL 2006 Cell Biology
- BIOL 2106 Cell Biology – Theory
- BIOL 2906 Cell Biology (Advanced)

July Semester**Group 2**

- BIOL 2002 Vertebrates and their Origins
- BIOL 2102 Vertebrates and their Origins – Theory
- BIOL 2902 Vertebrates and their Origins (Advanced)

Group 4

- BIOL 2003 Plant Anatomy and Physiology
- BIOL 2903 Plant Anatomy and Physiology (Advanced)

Group 5

- MBLG 2002 Molecular Biology and Genetics B
- MBLG 2102 Molecular Biology and Genetics B – Theory
- MBLG 2902 Molecular Biology and Genetics B (Advanced)

Group 7

- BIOL 2007 Introductory Entomology

Not more than one unit of study may be taken from each group. Qualifying units of study for certain Senior Biology units of study are defined as combinations of 8 credit points Intermediate Biology units of study (see the Senior unit of study descriptions or Information for Students booklets).

BIOL 2001 Invertebrate Zoology

8 credit points. A/Prof M B Thompson, Dr E L May. **Session:** 1. **Classes:** 3 lec, 1 tut & 1 prac/wk or 4 lec & 1 prac/wk. **Prerequisite:** 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. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). **Prohibition:** May not be counted with BIOL (2101 or 2901). **Assessment:** Mid-semester test, one 2hr theory exam, one 2hr prac exam, 1 essay, tutorial work.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.

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 evolution, phylogeny and biodiversity and provide opportunity to develop communication skills. The unit of study is designed to be taken in conjunction with BIOL 2002 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 BIOL 2002 provides entry into certain Senior Biology units of study.

BIOL 2901 Invertebrate Zoology (Advanced)

8 credit points. A/Prof M B Thompson, Dr E L May. **Session:** 1. **Prerequisite:** 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. **Qualifier:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** BIOL (2001 or 2101).

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.

Qualified students will participate in alternative components of BIOL 2001 Invertebrate Zoology. The content and nature of these components may vary from year to year.

BIOL 2101 Invertebrate Zoology – Theory

4 credit points. A/Prof M B Thompson, Dr E L May. **Session:** 1. **Classes:** 3 lec & 1 prac/wk. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or LWSC 1002 or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). **Prohibition:** BIOL (2001, 2901). **Assessment:** Mid-semester test, one 2hr theory exams one 1hr prac exam, optional assignment.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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. BIOL 2101 is not a prerequisite for Senior units of study in Biology.

This unit of study provides a broad background to the diversity of animals through lectures and museum-style displays. The material is presented within the conceptual framework of evolution and the principles and use of phylogeny and classification. It is suitable for students who are majoring in other areas of biology or other subjects but who wish to acquire an introduction to animal biology. The unit of study is designed to be taken with BIOL 2102 Vertebrates and their Origins – Theory. The diversity, morphology and evolution of most invertebrate phyla are presented.

BIOL 2002 Vertebrates and their Origins

8 credit points. A/Prof M B Thompson, Dr E L May. **Session:** 2. **Classes:** 3 lec, 1 tut & 3 prac/wk or 4 lec & 3 prac/wk & one field trip. **Prerequisite:** 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. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). **Prohibition:** BIOL (2102 or 2902). **Assessment:** One 3hr theory exam, one 2hr prac exam, one assignment, one essay, tutorial work.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.

This unit of study completes the grounding in the diversity of animals at the level of phylum introduced in BIOL 2001 Invertebrate Zoology by lectures, laboratory classes, and in the field with an intensive 3.5 day field trip. It focuses on vertebrates and the invertebrate phyla not covered in BIOL 2001. Lectures and discussion groups further explore concepts of evolution, phylogeny biodiversity and animal function. This unit of study complements BIOL 2001 and should preferably be taken after that unit of study. It is a prerequisite for most animal modules in Senior Biology.

BIOL 2902 Vertebrates and their Origins (Advanced)

8 credit points. A/Prof M B Thompson, Dr E L May. **Session:** 2. **Prerequisite:** 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. **Qualifier:** Distinction average in BIOL (1001 or 1101 or

1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** BIOL (2002 or 2102).

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended. 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.

Qualified students will participate in alternative components of BIOL 2002 Vertebrates and their Origins. The content and nature of these components may vary from year to year.

BIOL 2102 Vertebrates and their Origins – Theory

4 credit points. A/Prof M B Thompson and Dr E L May. **Session:** 2. **Classes:** 3 lec & 1 prac/wk. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or LWSC 1002 or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). **Prohibition:** BIOL (2002, 2902). **Assessment:** One 2hr theory exam, one 1hr prac exam, optional assignment.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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. Not a prerequisite for Senior units of study in Biology.

This unit of study provides an introduction to the diversity of animals at the level of phylum. It provides a broad background in the diversity of animals and an introduction to phylogeny through lectures and demonstration material in laboratory classes. It focuses on vertebrates and the invertebrate phyla not covered in BIOL 2101 Invertebrate Zoology – Theory. This unit of study is designed to be taken with BIOL 2101 and should preferably be taken after that unit of study. It is suitable for students who are concentrating on other areas of biology or other units of study but who wish to acquire a background in animal biology.

BIOL 2003 Plant Anatomy and Physiology

8 credit points. **Session:** 2. **Classes:** 2 lec, 1 prac/audiovisual & 1 tut/wk. **Prerequisite:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). **Prohibition:** BIOL 2903. **Assessment:** Assessment one 2hr exam, one prac exam, practical reports.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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.

The unit of study explores basic concepts in structure-function relationships in plants and their component organs, tissues and cells. It covers fundamental processes in plant growth and development including photosynthesis, translocation, water transport, nutrition, responses to light and gravity, and the role of plant hormones. Special attention is given to the anatomy and physiology of the Australian flora and there is a focus on recent advances in plant molecular biology that have been critical in enhancing our understanding of plant systems. Lectures and self-instructional audiovisual study are augmented by group discussions and laboratory experiments. This unit of study complements BIOL 2004, leads up to advanced modules in Senior Biology including BIOL 3021 and BIOL 3022, 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.

BIOL 2903 Plant Anatomy and Physiology (Advanced)

8 credit points. **Session:** 2. **Qualifier:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** BIOL 2003.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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.

Qualified students will participate in alternative components of BIOL 2003. The content and nature of these components may vary from year to year. See prerequisites for Senior units of study in Biology.

BIOL 2004 Plant Ecology and Diversity

8 credit points. Dr McGee. **Session:** 1. **Classes:** 3 lec & 1 prac/wk, audiovisual. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or LWSC 1002 or EDUH 1016 (for BEd

(Secondary) (Human Movement and Health Education)). **Corequisite:** MICR 2013 for BLWSC. **Prohibition:** BIOL 2904. **Assessment:** One theory exam, 1 prac exam, one report, classwork.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. The content of Biology (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading.

The unit of study provides an integrated overview of plant ecology and plant diversity. It examines how plants and fungi live in their natural environment, how their functions are affected by environmental changes and by other plants, and how the environment affects plant distribution. The rich diversity of plants is explored in relation to major evolutionary advances in their form and function. Practical aspects are covered in laboratory classes, audiovisual sessions, and a field trip. Each student is required to make a plant collection. This unit of study complements BIOL 2003 and leads up to plant modules in Senior Biology.

BIOL 2904 Plant Ecology and Diversity (Advanced)

8 credit points. Dr McGee. **Session:** 1. **Qualifier:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** BIOL 2004.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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.

Qualified students will participate in alternative components of BIOL 2004. The content and nature of these components may vary from year to year. See prerequisites for Senior units of study in Biology.

BIOL 2006 Cell Biology

8 credit points. Dr J Marc. **Session:** 1. **Classes:** 3 lec & 4 prac hrs/wk. **Prerequisite:** 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. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) or EDUH 1016 (for BEd (Secondary) (Human Movement and Health Education)). **Prohibition:** BIOL (2106 or 2906). **Assessment:** One 3hr exam, pracs and assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

A unit of study on cell biology and development in plants and animals with emphasis on cellular functions and favouring the molecular perspective. Topics include cell and organelle structure, function and evolution, cellular development and differentiation, and embryonic development. The unit of study is given by means of lectures and laboratory classes. It is designed to complement intermediate Molecular Biology and Genetics units and leads into various senior modules in biology, including Ecophysiology, Animal Physiology, Plant Development, Plant Physiology, Terrestrial Vertebrates, and Bioinformatics.

Textbooks

Albert B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002.

Molecular Biology of the Cell. 4th Edition. Garland Science

Alberts B, Bray D, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 1998. Essential Cell Biology. Garland Publishing.

BIOL 2906 Cell Biology (Advanced)

8 credit points. Dr J Marc. **Session:** 1. **Classes:** 3 lec & 4 prac hrs/wk. **Prerequisite:** 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. **Qualifier:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** BIOL (2006 or 2106). **Assessment:** One 3hr exam, pracs and assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

Qualifying students will participate in alternative components of BIOL 2006. The content and nature of these components may vary from year to year. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course. See prerequisites for senior units of study in Biology.

Textbooks

Albert B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002,

Molecular Biology of the Cell. 4th Edition. Garland Science

Alberts B, Bray D, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 1998. Essential Cell Biology. Garland Publishing.

BIOL 2106 Cell Biology – Theory

4 credit points. Dr J Marc. **Session:** 1. **Classes:** 3 lec/wk. **Prerequisite:** 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. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903 or 1904) or EDUH 1016 (for BEEd (Secondary) (Human Movement and Health Education)). **Prohibition:** BIOL (2006 or 2906). **Assessment:** One 3hr exam and assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study provides a solid theoretical foundation in cellular and developmental biology. Topics include cell and organelle structure, function and evolution, cellular development and differentiation, and embryonic development. It is presented in the form of lectures only; there are no tutorials or practical classes. This unit of study is not suitable for students wishing to continue with many senior modules in biology, for which BIOL 2006 and 2906 are appropriate.

Textbooks

Albert B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002. Molecular Biology of the Cell. 4th Edition. Garland Science
Alberts B, Bray D, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 1998. Essential Cell Biology. Garland Publishing.

BIOL 2007 Entomology Introductory

8 credit points. Dr D Hochuli, Dr H Rose. **Session:** 2. **Classes:** 2 lec, 1–2 tut & 4 prac/wk. **Prerequisite:** 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. **Qualifier:** BIOL (1001 or 1101 or 1901) and either BIOL (1002 or 1902 or 1003 or 1903) or EDUH 1016 (for BEEd (Secondary) (Human Movement and Health Education)). **Assessment:** One 3hr theory exam, assignments, insect collection.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. 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. See prerequisites for Senior units of study in Biology.

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. Practicals give a working knowledge of major orders of insects ecologically important species, principles of collection, preservation and identification. Entomological data bases 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:

- 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.
- discuss their choice with a Biology Staff member before enrolling.

Sixteen 6 credit point units of study are offered. They are arranged in three compatible timetables:

Timetable 1

BIOL 3011 Ecophysiology. February Semester (first half)(MS)

BIOL 3012 Animal Physiology. February Semester (second half)

BIOL 3017 Fungal Biology. Summer Break and February Semester

BIOL 3021 Plant Development. July Semester (first half)

BIOL 3022 Plant Physiology. July Semester (second half)
(Plus Advanced versions of these – BIOL 39XX)

Timetable 2

BIOL 3013 Marine Biology. February Semester (second half)(MS)

BIOL 3014 Terrestrial Vertebrates. February Semester (first half)

BIOL 3015 Plant Systematics. February Semester (second half)

BIOL 3023 Ecology (Methods). July Semester (first half)(MS)

BIOL 3040 Marine Ecology. July Semester (second half)(MS)

BIOL 3041 Terrestrial Ecology. July Semester (second half)(MS)

BIOL 3042 Plant Ecology. July Semester (second half)(MS)
(Plus Advanced versions of these – BIOL 39XX)

Timetable 3

BIOL 3018 Applications of Recombinant DNA Technology. February Semester (first half)

BIOL 3025 Evolutionary Genetics and Animal Behaviour. July Semester (first half)

BIOL 3026 Developmental Genetics. July Semester (second half)

BIOL 3027 Bioinformatics and Genomics. February Semester (second half)

(Plus Advanced versions of these – BIOL 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 the Marine Ecology, BIOL 3040/3940. Entry to these modules would normally be based on academic performance.

The unit of study BIOL 3928 is only available to students in the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Medical Science and BIOL 3929 is only available to students in the Bachelor of Science (Molecular Biology and Genetics). Students seeking further information about BIOL 3928 or BIOL 3929 should consult the relevant Tables earlier in this chapter as well as degree information in chapter 2 of this handbook.

Students majoring in Marine Science must do 24 credit points of units designated as Marine Science but are allowed to include from 6 to a maximum of 18 credit points of Senior Biology (from those marked MS) as part of Marine Science. 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 3011 Ecophysiology

6 credit points. Dr Seebacher. **Session:** 1a. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). **Prohibition:** BIOL 3911. **Assessment:** One 1.5 hr exam, field trip seminar, laboratory reports.

NB: The completion of MBLG (2001 or 2101 or 2901) 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 discussed. 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. Dr Seebacher. **Session:** 1a. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** May not be counted with BIOL 3011. **Assessment:** One 1.5 hr exam, field trip seminar, independent project report.

NB: The completion of MBLG (2001 or 2101 or 2901) 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. A/Prof Thompson. **Session:** 1b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). **Prohibition:** May not be counted with BIOL 3912. **Assessment:** One 1.5 hr exam, laboratory/library reports.

NB: The completion of MBLG (2001 or 2101 or 2901) 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. A/Prof Thompson. **Session:** 1b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** May not be counted with BIOL 3012. **Assessment:** One 1.5 hr exam, laboratory reports, independent project report.

NB: The completion of MBLG (2001 or 2101 or 2901) 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. **Session:** 1b. **Classes:** 4 lec & 8 prac/wk. **Assumed knowledge:** MARS 2002. **Prerequisite:** 16 credit points of Intermediate Biology, including BIOL (2001 or 2002 or 2003 or 2004 or 2901 or 2902 or 2903 or 2904). **Prohibition:** May not be counted with BIOL 3913.

Assessment: Practical reports, paper criticisms and other assignments. *NB: The completion of MBLG (2001 or 2101 or 2901) 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. **Session:** 1b. **Classes:** 4 lec & 8 prac/wk. **Assumed knowledge:** MARS 2002. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2001 or 2002 or 2003 or 2004 or 2901 or 2902 or 2903 or 2904). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** May not be counted with BIOL 3013. **Assessment:** Practical reports, paper criticisms and other assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) 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 3014 Biology of Terrestrial Vertebrates

6 credit points. **Session:** 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology. **Prohibition:** May not be counted with BIOL 3914. **Assessment:** One 1.5hr exam, laboratory report, seminar, one 1 hr practical examination.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study will review the biology and evolution of terrestrial vertebrate fauna, with emphasis on ecological and behavioural adaptations to the Australian environment. The adaptive radiations of amphibians, reptiles, birds and mammals will be discussed. Conservation issues involved with these taxa will also be a focus of the course. The unit aims to provide an overview of the distinctive features of the Australian environment, and how those peculiarities have shaped the way that terrestrial vertebrates have evolved in this continent.

BIOL 3914 Biology of Terrestrial Vertebrates (Adv)

6 credit points. **Session:** 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology. These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** May not be counted with BIOL 3014. **Assessment:** One 1.5hr exam, laboratory report, seminar, one 1hr prac exam.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

Compared to the associated unit of study BIOL 3014, the Advanced unit has less practical work but contains an independent research project.

BIOL 3015 Plant Systematics and Biogeography

6 credit points. Dr Henwood. **Session:** 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Prohibition:** May not be counted with BIOL 3915. **Assessment:** One 1.5hr exam, assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study will deal with the reproductive biology, biogeography and evolution of flowering plants. Students will be introduced to the latest methodologies and data sources employed in identifying evolutionary units (both past and present) and reconstructing their phylogenetic relationships. The general application of systematics – for example in ecology and conservation – will be considered.

BIOL 3915 Plant Systematics and Biogeography (Adv)

6 credit points. Dr Henwood, Dr Taylor. **Session:** 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** May not be counted with BIOL 3015. **Assessment:** One 1.5hr exam, assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

See BIOL 3015.

BIOL 3017 Fungal Biology

6 credit points. Dr P McGee. **Session:** 1a. **Classes:** 5 lec & 15 prac in a two week intensive program immediately prior to semester one (labs run from 23 February to 5 March 2004), plus the equivalent of 30hrs self-guided study during the semester. **Prerequisite:** 16 credit points of Intermediate Biology, or 8 credit points of Intermediate Biology and 8 Intermediate credit points of either Microbiology or Geography, or their equivalent. **Prohibition:** May not be counted with BIOL 3917. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) 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. Dr P McGee. **Session:** 1a. **Classes:** 5 lec & 15 prac in a two week intensive program immediately prior to semester one (labs run from 23 February to 5 March 2004), plus the equivalent of 30hrs self-guided study during the semester. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology, or 8 credit points of Intermediate Biology and 8 Intermediate credit points of either Microbiology or Geography, or their equivalent. **Prohibition:** May not be counted with BIOL 3017. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

Qualified students will participate in alternative components of BIOL 3017 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. Dr B Lyon, Prof R Skurray. **Session:** 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** MBLG (2001 or 2901 and 2002 or 2902) or 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. **Prohibition:** BIOL (3918). **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. Dr B Lyon. **Session:** 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in MBLG (2001 or 2901 and 2002 or 2902) or in 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including Distinction in BMED 2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. **Prohibition:** BIOL (3018). **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 3021 Plant Development

6 credit points. Dr Marc, A/Prof Overall. **Session:** 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). **Prohibition:** BIOL 3931. **Assessment:** One 2hr exam, assignments, one essay.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

Current topics in plant development are explored to the levels of plant cell biology and plant molecular biology. Subjects covered include the development of the plant body from embryo to a seedling, organogenesis at the shoot apical meristem, leaf development, differentiation of specialized cell types, signal transduction, plant hormones, developmental responses to the environment, role of extracellular matrix in plant development, development of polarity, and intercellular communication. Advances in the molecular basis of plant development are discussed. Practical work, which uses a variety of plant material including protoplasts, suspension cultures and Arabidopsis seedlings, involves a range of cellular and molecular techniques such as advanced light microscopy, immunochemistry, protein purification and characterisation, and the Green Fluorescent Protein technology.

BIOL 3931 Plant Development (Advanced)

6 credit points. Dr Marc, A/Prof Overall. **Session:** 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** May not be counted with BIOL 3021. **Assessment:** One 2hr exam, assignments, one essay.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

Qualified students will participate in alternative components of the BIOL 3021 Plant Development, representing 20% of the total assessment. The students will be exempt from one standard essay and one standard assignment, but instead will conduct an independent 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 and writing an essay on a related topic.

BIOL 3022 Plant Physiology

6 credit points. **Session:** 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2003 or 2006 or 2903 or 2906). **Prohibition:** BIOL 3932. **Assessment:** One 2 hr exam, assignment reports.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

A unit of study of lectures, practical assignments and self-guided computer based modules on the applications of plant physiology. The unit will begin with a consideration of the physiology of photosynthesis using conventional techniques and will go on to the use of the pulse amplitude modulated (PAM) fluorometer. There will follow an in-depth consideration of boundary layers in plants and the use of oxygen microelectrodes to measure photosynthesis, respiration and primary production. Experience with gas exchange analysis equipment, and self-guided modules applying knowledge of plant-water relationships and plant nutrition to practical problems in Australian agriculture, are included.

Textbooks

Taiz L, Zeiger E. 2002. Plant Physiology 3rd ed. Sunderland, Mass., Sinauer.

BIOL 3932 Plant Physiology (Advanced)

6 credit points. **Session:** 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). These requirements may be varied and students with lower averages should contact the unit Executive Officer. **Prohibition:** BIOL 3022. **Assessment:** One 2 hr exam, assignment reports.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

Qualified students will participate in alternative components of BIOL 3022 Plant Physiology. The content and nature of these components may vary from year to year. Some assessment will be in an alternative form.

BIOL 3023 Ecological Methods

6 credit points. Dr Hochuli. **Session:** 2a. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2002 or 2902 or 2004 or 2904). **Prohibition:** May not be counted with BIOL 3923. **Assessment:** One 2 hr exam, laboratory reports.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The unit of study will consider ecology as a theoretical, quantitative, experimental science concerned with the analysis of patterns of distribution, abundance, dynamics, demography and life-histories of natural populations with an appraisal of the nature of scientific investigations, from a philosophical viewpoint and the practicalities of testing hypotheses in the real world. Application of ecological theory and methods to practical problems will be integrated throughout the unit of study.

Lectures will be on sound philosophical and experimental principles and useful for the more informed management, conservation and utilization 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. Students taking BIOL 3023 only do not take the field course and will undertake coursework separate from the other students.

BIOL 3923 Ecological Methods (Advanced)

6 credit points. Dr Hochuli. **Session:** 2a. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** Distinction average in BIOL (2001 or 2901) and (2002 or 2902), or in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Prohibition:** May not be counted with BIOL 3023. **Assessment:** One 2 hr exam, laboratory reports.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study has the same objectives as BIOL 3023 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 2. This unit of study may be taken as a part of the BSc (Advanced) program.

BIOL 3025 Evolutionary Genetics & Animal Behaviour

6 credit points. A/Prof Oldroyd. **Session:** 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 16 credit points from MBLG (2001 or 2901 or 2002 or 2902) and Intermediate Biology units. For BMedSc students 32 credit

points of Intermediate BMED units including BMED 2502. **Prohibition:** BIOL (3925 or 3928). **Assessment:** One 2hr 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. A/Prof Oldroyd. **Session:** 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points from MBLG (2001 or 2901 or 2002 or 2902) and Intermediate Biology units. For BMedSc students 32 credit points of Intermediate BMED units including distinction in BMED 2502. These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibition:** BIOL (3025 or 3928). **Assessment:** One 2hr 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. Dr Saleeba, Dr Raphael, A/Prof Gillies. **Session:** 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** MBLG (2001 or 2901 or 2002 or 2902) or 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. **Prohibition:** BIOL (3926 or 3929). **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, as well as genetic counselling. Practical work complements the theoretical aspects and develops important genetical skills.

BIOL 3926 Developmental Genetics (Advanced)

6 credit points. Dr Saleeba, Dr Raphael, A/Prof Gillies. **Session:** 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in MBLG (2001 or 2901 and 2002 or 2902) or in 16 credit points of Intermediate Biology. For BMedSc students 32 credit points of Intermediate BMED units including Distinction in BMED 2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. **Prohibition:** BIOL (3026 or 3929). **Assessment:** One 2hr exam, assignments.

Qualified students will participate in alternative components to BIOL 3026 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. Dr Firth, Dr Jermiin, Dr Saleeba and others. **Session:** 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** MBLG (2001 or 2101 or 2901) or 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2004 or 2904 or 2006 or 2906). For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. **Prohibition:** BIOL 3927. **Assessment:** One 2 hr exam, assignment.

A unit of study of 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, together with classical taxonomy and biodiversity.

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. Dr Firth, Dr Jermiin, Dr Saleeba and others. **Session:** 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction in MBLG (2001 or 2101 or 2901) or Distinction average in 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2004 or 2904 or 2006 or 2906). For BMedSc students: 32 credit points of Intermediate BMED units including Distinction in BMED 2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. **Prohibition:** BIOL 3027. **Assessment:** One 2 hr exam, assignment.

Qualified students will participate in alternative components of BIOL 3027 Bioinformatics and Genomics. The content and nature of these components may vary from year to year. Some assessment will be in alternative format.

BIOL 3928 Evolutionary Genetics Molecular (Adv)

6 credit points. Dr Oldroyd. **Session:** 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including MBLG (2001 or 2901 and 2002 or 2902). For BMedSc students: 32 credit points of Intermediate BMED units including Distinction in BMED 2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. **Prohibition:** BIOL (3025 or 3925). **Assessment:** One 2hr exam, assignments, seminar and an essay based on discussion sessions.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Medical Science only.

This unit is the same as BIOL 3925 Evolutionary Genetics and Animal Behaviour (Advanced), except for the addition of topical seminars and discussions in this discipline.

BIOL 3929 Developmental Genetics Molecular (Adv)

6 credit points. Dr Saleeba, Dr Raphael, A/Prof Gillies. **Session:** 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including MBLG (2001 or 2901 and 2002 or 2902). **Prohibition:** BIOL (3026 or 3926). **Assessment:** One 2hr exam, assignments.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only.

This unit is the same as BIOL 3926 Developmental Genetics (Advanced) except for the inclusion of topical items in this discipline.

BIOL 3040 Marine Ecology

6 credit points. Dr Chapman, Prof Underwood, Dr C Styan. **Session:** 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology. **Corequisite:** BIOL (3023 or 3923). **Prohibition:** BIOL 3940. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.

Marine Ecology explores the designs of experimental analysis of marine populations, drawing upon extensive examples from intertidal assemblages of animals and plants and from the biology of subtidal organisms in coastal habitats. No particular mathematical or statistical skills are required for this module. Much emphasis is placed on evaluation of recent studies in the literature. Laboratory classes deal with techniques of analysis and experimental manipulation of natural assemblages. The relationships between experimental marine ecology and general ecological theory are emphasised. The role of ecological science in management, conservation and exploitation of populations are emphasised. The unit of study includes a Field study (before Semester 2 starts; all details will be announced when they are available).

BIOL 3940 Marine Ecology (Advanced)

6 credit points. Dr Chapman, Prof Underwood, Dr C Styan. **Session:** 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology. **Corequisite:** BIOL (3023 or 3923). **Prohibition:** BIOL 3040. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.

This unit has the same objectives as BIOL 3030 Marine 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 unit 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 two. This unit of study may be taken as part of the BSc (Advanced).

BIOL 3041 Terrestrial Ecology

6 credit points. Dr Hochuli, Dr Dickman. **Session:** 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** BIOL (2001 or 2901) and BIOL (2002 or 2902). **Corequisite:** BIOL (3023 or 3923). **Prohibition:** BIOL 3931.

Assessment: One 2 hr exam, laboratory reports, practical assignments. *NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.*

Terrestrial Ecology considers the dynamics of ecological systems. Inter- and intra-specific competition, herbivory and predation are examined. Relationships between behavioural strategies of insect and vertebrate herbivores and predators, and the exploitation and conservation of their resources are a major focus. In addition, practical work investigates natural and exploited habitats. There is a major emphasis on the relationships between ecological science and methods for management of populations, conservation and managed exploitation of animal and plant resources and the control of pests (including biological control). The unit of study includes a Field study (before Semester 2 starts; all details will be announced when they are available).

BIOL 3941 Terrestrial Ecology (Advanced)

6 credit points. Dr Hochuli, Dr Dickman. **Session:** 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** Distinction average in BIOL (2001 or 2901) and (2002 or 2902). **Corequisite:** BIOL (3023 or 3923). **Prohibition:** BIOL 3041. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.

This unit has the same objectives as BIOL 3031 Terrestrial 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 unit 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 two. This unit of study may be taken as part of the BSc (Advanced).

BIOL 3042 Plant Ecology

6 credit points. Dr Wardle. **Session:** 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Corequisite:** BIOL (3023 or 3923). **Prohibition:** BIOL 3942. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

Plant Ecology integrates experimental studies, quantitative sampling and theoretical models to examine the ecological processes that produce complex interactions in natural populations. The lectures include the following topics: plants as modular individuals, demography, life history variation, reproductive ecology, dispersal, dormancy, recruitment, effects of neighbours, plant animal interactions, natural selection, ecological genetics, vegetation structure and diversity, succession and gap phase regeneration. Examples are given on the role of genetics, demography and population structure in the conservation and management of plants. The unit of study includes a Field study (before Semester 2 starts; all details will be announced when they are available).

BIOL 3942 Plant Ecology (Advanced)

6 credit points. Dr Wardle. **Session:** 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisite:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Corequisite:** BIOL (3023 or 3923). **Prohibition:** BIOL 3042. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of MBLG (2001 or 2901 or 2101) is highly recommended.

This unit has the same objectives as BIOL 3032 Plant 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 unit 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 two. This unit of study may be taken as part of the BSc (Advanced).

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.

Please Note: Part (c) is run in the February semester and must be taken in the calendar year of first enrolment by all students starting in February or July of that year.

The degree will be awarded on the basis of:

- 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 Junior 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.

Instruction in experimental design, and other technical instruction is run early in the February semester, and must be taken in the calendar year of first enrolment by all students starting in February or July of that year.

The composition of the Graduate Diploma course is identical to that for Honours (see Biology Honours).

Postgraduate study

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 in the School's Research Interests Handbook, which is available from the School Office (Science Road Cottage, A10) or on the School's Web site at www.bio.usyd.edu.au/

Cell Pathology

Cell Pathology is taught by the Department of Pathology.

Students interested in CPAT 3001 Cell Pathology A are expected to meet with Professor Hunt or Associate Professor King before enrolling, preferably during the preceding year. The Department can cater only for a small number of students in CPAT 3001 and good performance in Junior and Intermediate units of study will be essential to ensure success in this unit. The Department of Pathology is located on Level 5 of the Blackburn Building (phone (02) 9351 2414).

CPAT 3001 Cell Pathology A

12 credit points. Prof. Hunt, Dr Gibbins, Dr Hambly, A/Prof. King.

Session: N/A in 2004. **Classes:** 1 tut & 11 prac/wk. **Prerequisite:** ANAT 2002; or BCHM 2002 or 2902; or BIOL 2006 or 2906; or both PCOL 2001 and (2002 or 2003); or PHSI 2002. For BMedSc: 32 credit points from Intermediate BMED units of study. **Assessment:** One 3hr exam, 4 prac reports.

NB: Entry requires Departmental permission: only a small number of students can be accommodated in the laboratory facilities. The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The unit of study Cell Pathology is particularly suited to those interested in subsequently doing research in a challenging area of biology. This unit of study will provide students with insight into alterations in cellular processes in disease and injury and equip them to apply the concepts and methods of cell biology to the study of pathology. Subjects studied include inflammation, immunopathology, cellular immunology, molecular pathophysiology and cancer biology. This unit of study would not be useful for those wishing to pursue a career in diagnostic pathology.

Tutorials and directed reading will cover the general principles of pathology, emphasising the physiological, biochemical and genetic aspects and correlation of disturbed cell function with structural and ultrastructural changes.

Laboratory work is designed to illustrate particular aspects of pathology. A range of methods that will help in later development of this area will be used. These include flow cytometry, tissue culture, molecular biology and microscopy.

CPAT 3101 Pathological Basis of Human Disease

12 credit points. Prof. Hunt, Dr Gibbins, Dr Hambly, A/Prof. King, Dr Pamphlett and others. **Session:** 2. **Classes:** 3hr lec, 6 hrs self directed learning or museum sessions, & 3 hr microscopic specimen prac class/wk (Total 12 hrs/wk). **Prerequisite:** ANAT 2001; or BCHM (2001 or 2002 or 2101 or 2102 or 2901 or 2902); or MBLG (2001 or 2101 or 2901); or BIOL (2001 or 2002 or 2006 or 2101 or 2102 or 2105 or 2106 or 2901 or 2902 or 2906); or HPSC (2001 or 2002); or MICR (2001 or 2003 or 2901); or PCOL 2001; or PHSI 2001. For BMedSc: 32 credit points from Intermediate BMED units of study. **Assessment:** Project Report (10%), Theory exam (60%), Practical exam (30%).

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The Pathological Basis of Human Disease unit of study modules will provide a practical and theoretical background to the scientific basis of the pathogenesis of disease, including elements of forensic pathology. Areas covered in theoretical modules include: tissue responses to exogenous factors, adaptive responses to foreign agents, cardiovascular/pulmonary responses to disease, forensic science, neuropathology and cancer. Practical modules include disease specimen evaluation on a macroscopic and microscopic basis. 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. It fulfils the Pathology requirements for the Centre for Chiropractic at Macquarie University.

Textbooks

Kumar, Cotran & Robbins. Basic Pathology. 6th edition, W B Saunders, 1997.

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 units of study to students enrolled in the Faculty of Science majoring particularly in Chemistry, but also Biochemistry, Physics or Mathematics.

The most relevant units of study are CHNG 1101 – Chemical Engineering 1A, CHNG 1102 – Chemical Engineering 1B, CHNG 2101 – Chemical Engineering 2A and CHNG 2102 – Chemical Engineering 2B. Details regarding these units of study can be obtained from the Faculty of Engineering Handbook. The units of study are intended to give a science student some insight into the principles which control the design and performance of large scale industrial processing plants. As well as the above units of study, Faculty of Science students are invited to enrol in any other chemical engineering unit of study, provided they have the appropriate prerequisites.

Double Degree

Some BSc graduates, who have passed all four of the above units of study within the Department of Chemical Engineering, may obtain a Bachelor of Engineering degree in Chemical 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. 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 1905, CHEM 1906 and CHEM 1907 are only available to students in the Bachelor of Science (Molecular Biology and Genetics)

CHEM 1908 is only available to students in the Bachelor of Medical Science, Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology)

CHEM 1909 is only available to students in the Bachelor of Medical Science, Bachelor of Science (Molecular Biology and Genetics), Bachelor of Science (Nutrition) and Bachelor of Science (Molecular Biotechnology)

Students seeking further information about CHEM 1905, CHEM 1906, CHEM 1907, CHEM 1908 or CHEM 1909 should consult the relevant Tables earlier in this chapter as well as degree information in chapter 2 of this handbook.

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. **Session:** 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. **Prohibition:** May not be counted with CHEM 1101 or 1901 or 1903 or 1905 or 1906 or 1909.

Assessment: A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

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.

Practical: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Textbooks

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1002 Fundamentals of Chemistry 1B

6 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisite:** CHEM (1001 or 1101) or equivalent. **Prohibition:** May not be counted with CHEM (1102 or 1902 or 1904 or 1907 or 1908). **Assessment:** A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

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.

Practical: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Textbooks

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1101 Chemistry 1A

6 credit points. **Session:** 1, 2, Summer. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Assumed knowledge:** HSC Chemistry and Mathematics. **Corequisite:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibition:** May not be counted with CHEM (1001 or 1901 or 1903 or 1905 or 1906 or 1909).

Assessment: A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

Chemistry 1A is built on a satisfactory prior knowledge of the HSC 2-unit 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.

Practical: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Textbooks

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1102 Chemistry 1B

6 credit points. **Session:** 1, 2, Summer. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Qualifier:** CHEM 1101 or a Distinction in CHEM 1001 or 1901 or equivalent. **Corequisite:** Recommended concurrent units of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903). **Prohibition:** CHEM (1002 or 1902 or 1904 or 1907 or 1908).

Assessment: A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

Chemistry 1B is built on a satisfactory prior knowledge of Chemistry 1A and covers inorganic and organic chemistry.

Chemistry 1B is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

Lectures: A series of 39 lectures, three per week throughout the semester.

Practical: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Textbooks

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1901 Chemistry 1A (Advanced)

6 credit points. **Session:** 1. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisite:** 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. **Corequisite:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Prohibition:** May not be counted with CHEM (1001 or 1101 or 1903 or 1905 or 1906 or 1909).

Assessment: A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

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.

Practical: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Textbooks

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1902 Chemistry 1B (Advanced)

6 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Qualifier:** CHEM (1901 or 1903) or Distinction in CHEM 1101 or equivalent. **Corequisite:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903).

Prohibition: May not be counted with CHEM (1002 or 1102 or 1904 or 1907 or 1908). **Assessment:** A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

NB: Department permission required for enrolment. Entry is by invitation.

Chemistry 1B (Advanced) is built on a satisfactory prior knowledge of Chemistry 1A (Advanced) and covers inorganic and organic chemistry. Chemistry 1B (Advanced) is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

Lectures: A series of about 39 lectures, three per week throughout the semester.

Practical: A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester.

Textbooks

A booklist is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1903 Chemistry 1A (Special Studies Program)

6 credit points. **Session:** 1. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk. **Prerequisite:** UAI of at least 98.7 and HSC Chemistry result in band 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisite:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Prohibition:** May not be counted with CHEM (1001 or 1101 or 1901 or 1905 or 1906 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 or science. The practical work syllabus for Chemistry 1A (Special Studies Program) is very different from that for Chemistry 1A and Chemistry 1A (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1A (Advanced).

A Distinction in Chemistry 1A (Special Studies Program) is an acceptable prerequisite for entry into Chemistry 1B (Special Studies Program).

CHEM 1904 Chemistry 1B (Special Studies Program)

6 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk. **Prerequisite:** Distinction in CHEM 1903. **Corequisite:** Recommended concurrent units of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903). **Prohibition:** May not be counted with CHEM (1002 or 1102 or 1902 or 1907 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 1B (Special Studies Program) is restricted to students who have gained a Distinction in Chemistry 1A (Special Studies Program). The practical work syllabus for Chemistry 1B (Special Studies Program) is very different from that for Chemistry 1B and Chemistry 1B (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1B (Advanced).

Chemistry 1B (Special Studies Program) is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

CHEM 1905 Chemistry 1A Molecular (Advanced)

6 credit points. **Session:** 1. **Classes:** 3 lec/tut & 3hr prac/wk for 10 weeks & 7 discussion sessions. **Prerequisite:** 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. **Corequisite:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics.

Prohibition: CHEM (1001 or 1101 or 1901 or 1903 or 1906 or 1909).

Assessment: One 3hr closed book exam (65%), prac reports (10%), quizzes (15%), essay based on discussion sessions (10%).

NB: Department permission required for enrolment. This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only.

This unit of study is the same as Chemistry 1901 except for the addition of 7 special molecular biology and genetics discussion sessions, which consist of topical seminars and discussions in this discipline. An essay based on these discussions is included as part of the assessment of the unit of study.

CHEM 1906 Chemistry 1A Mol (Special Studies Prog)

6 credit points. **Session:** 1. **Classes:** 3 lec/tut & 3hr prac/wk & 7 discussion sessions. **Prerequisite:** UAI of at least 98.7 and HSC Chemistry result in band 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisite:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Prohibition:** CHEM (1001 or 1101 or 1901 or 1903 or 1905 or 1909). **Assessment:** One 3hr closed book exam (65%), prac reports (10%), quizzes (15%), essay based on discussion sessions (10%).

NB: Department permission required for enrolment. Entry is by invitation. This unit of study is deemed to be an Advanced unit of study. This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only.

This unit of study is the same as Chemistry 1903 except for the addition of 7 special molecular biology and genetics discussion sessions, which consist of topical seminars and discussions in this discipline. An essay based on these discussions is included as part of the assessment of the unit of study.

CHEM 1907 Chemistry 1 Life Sciences A Mol (Adv)

6 credit points. **Session:** 1. **Classes:** Total of 6hrs per week consisting on average of 3 lectures, 1 tutorial/discussion session and 2hrs of practical work. **Prerequisite:** 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. **Corequisite:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibition:** CHEM (1002 or 1102 or 1902 or 1904 or 1908). **Assessment:** Exam 65%, practicals 10%, quizzes 15%, essay based on discussion sessions 10%.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) 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 this applies 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/Discussions (13 hr): These will provide aspects of problem solving and will include special lectures on aspects of molecular biology and genetics from external experts.

Practical: (30 hr): These will be designed to develop practical skills based on the theory presented in the lectures.

Textbooks

A booklet is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1908 Chemistry 1 Life Sciences A (Advanced)

6 credit points. **Session:** 1, Summer. **Classes:** Total of 6hrs per week consisting on average of 3 lectures, 1 tutorial session and 2hrs of practical work. **Prerequisite:** 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. **Corequisite:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibition:** CHEM (1002 or 1102 or 1902 or 1904 or 1907). **Assessment:** A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

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 (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.

Practical: Practicals (30hr) These will be designed to develop practical skills based on the theory presented in the lectures

Textbooks

A booklet is contained in the booklet Information for Students distributed at enrolment. Further information can be obtained from the School.

CHEM 1909 Chemistry 1 Life Sciences B Mol (Adv)

6 credit points. **Session:** 2, Summer. **Classes:** Total of 6hrs per week consisting on average of 3 lectures, 1 tutorial session and 2hrs of practical work. **Prerequisite:** CHEM (1907 or 1908) or equivalent. **Corequisite:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibition:** CHEM (1001 or 1101 or 1901 or 1903 or 1905 or 1906). **Assessment:** A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study.

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.

Practical: (30 hr) These will be designed to develop practical skills based on the theory presented in the lectures

Textbooks

A booklet is contained in the booklet Information for Students 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 units of study are offered:

- CHEM 2001 Chemistry 2 (Life Sciences), 8 credit points
- CHEM 2101 Chemistry 2 (Environmental), 8 credit points
- CHEM 2301 Chemistry 2A, 8 credit points
- CHEM 2302 Chemistry 2B, 8 credit points
- CHEM 2901 Chemistry 2A (Advanced), 8 credit points
- CHEM 2902 Chemistry 2B (Advanced), 8 credit points

The units of study CHEM 2101 (Environmental) and 2301 (2A) have common lectures and practical work. Separate tutorials are held for each unit, with tutorials for 2101 emphasising environmental applications. There are approximately 51 lectures consisting of: Modern Chemical Analysis; Mechanisms of Organic Reactions; Bonding and Spectroscopy.

CHEM 2311 and CHEM 2312 are only available to students in the Bachelor of Medical Science and the Bachelor of Science (Molecular Biotechnology).

CHEM 2903 is available only available to students in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Science (Molecular Biotechnology) only.

Students seeking further information about CHEM 2311, CHEM 2312 or CHEM 2903 should consult the relevant Tables earlier in this chapter as well as degree information in chapter 2 of this handbook.

CHEM 2001 Chemistry 2 (Life Sciences)

8 credit points. **Session:** 1. **Classes:** 4 lec & 4hr prac/wk. **Prerequisite:** 6 credit points of Junior Mathematics. **Qualifier:** CHEM (1102 or 1902 or 1904 or 1909). **Prohibition:** May not be counted with CHEM (2101 or 2301 or 2901 or 2903 or 2311 or 2312 or 2502). **Assessment:** Theory (67%), lab exercises (33%).

This unit of study comprises approximately 51 lectures consisting of: Organic Reaction Mechanisms in Biological Systems; Chemical Analysis and Spectroscopy of Biomolecules; Chemistry of Biomaterials (biopolymers, metalloproteins, biomineralisation etc). Non-compulsory tutorials will also be provided at a rate of one per week.

Additional information: The aim of this unit of study is to provide students interested in life sciences with the chemical knowledge required for an understanding of the subject.

Practical: Practical work entails 4 hours per week for 13 weeks during the semester. Students must ensure that one complete afternoon from 1pm to 5pm, free from other commitments, is available for this practical work.

CHEM 2101 Chemistry 2 (Environmental)

8 credit points. **Session:** 1. **Classes:** 4 lec & 4hr prac/wk. **Prerequisite:** 6 credit points of Junior Mathematics. **Qualifier:** CHEM (1102 or 1902 or 1904 or 1909). **Prohibition:** May not be counted with CHEM (2001 or 2301 or 2901 or 2903 or 2311 or 2312 or 2502). **Assessment:** Theory (67%), lab exercises (33%).

The aim of this unit of study is to provide students interested in environmental science with the chemical knowledge required for an understanding of the area.

Practical: As for CHEM 2001.

CHEM 2301 Chemistry 2A

8 credit points. **Session:** 1. **Classes:** 4 lec & 4hr prac/wk. **Prerequisite:** 6 credit points of Junior Mathematics. **Qualifier:** CHEM (1102 or 1902 or 1904 or 1909 or 1612). **Prohibition:** May not be counted with CHEM (2001 or 2101 or 2901 or 2903 or 2311 or 2312 or 2502). **Assessment:** Theory (67%), lab exercises (33%).

Non-compulsory tutorials will also be provided at a rate of one per week.

Additional information: This is the main chemistry unit of study for students expecting to major in chemistry.

Practical: As for CHEM 2001.

CHEM 2302 Chemistry 2B

8 credit points. **Session:** 2. **Classes:** 4 lec & 4hr prac/wk. **Prerequisite:** 6 credit points of Junior Mathematics. **Qualifier:** CHEM (1102 or 1902 or 1904 or 1909 or 1612). **Prohibition:** May not be counted with CHEM (2202 or 2902). **Assessment:** Theory (67%), lab exercises (33%).

Lectures: This unit of study consists of 17 lectures in which the structure, bonding and properties of inorganic compounds and complexes will be presented; 17 lectures of physical chemistry on statistical thermodynamics and thermodynamics; and 17 lectures in organic chemistry which will include 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.

Practical: As for CHEM 2001.

CHEM 2901 Chemistry 2A (Advanced)

8 credit points. **Session:** 1. **Classes:** 5 lec & 4 prac/wk. **Prerequisite:** 6 credit points of Junior Mathematics. **Qualifier:** WAM greater than 80 and Distinction average in CHEM (1101 or 1901 or 1903) and in Chemistry (1102 or 1902 or 1904 or 1909). **Prohibition:** May not be counted with CHEM (2001 or 2101 or 2301 or 2903 or 2311 or 2312 or 2502).

Assessment: Theory (56.7%), lab exercises (33%), Advanced Assignment (10%).

NB: Department permission required for enrolment. Entry to this unit of study is by invitation. Students in the Faculty of Science Talented Students Program are automatically eligible.

Lectures and tutorials: Lectures and tutorials in CHEM 2901 (Advanced) comprise two sets: Four lectures per week in common with any other Intermediate Chemistry unit of study and one lecture per week of advanced lectures on topics that are complementary to the other units of study.

Additional information: The number of places in Chemistry 2901 (Advanced) is limited. Applications are invited from students with a high WAM and an excellent record in a Junior Chemistry unit of study. Places are restricted to students enrolled in the Faculty of Science except by permission of the Head of the School of Chemistry. Students in the Faculty of Science Talented Student Program who are enrolled in the BSc or BSc(Adv) degree are automatically eligible. Students enrolled in other Advanced degree programs within the Faculty are not normally admitted because of timetabling.

Practical: Practical work entails 4 hours per week during the semester. Students must be available 1pm-5pm Friday afternoons for laboratory work.

CHEM 2902 Chemistry 2B (Advanced)

8 credit points. **Session:** 2. **Classes:** 5 lec & 4hr prac/wk. **Prerequisite:** 6 credit points of Junior Mathematics. **Qualifier:** WAM greater than 80 and Distinction average in CHEM (1101 or 1901 or 1903) and CHEM (1102 or 1902 or 1904 or 1909). **Prohibition:** May not be counted with CHEM (2202 or 2302). **Assessment:** Theory (56.7%), lab exercises (33.3%), Advanced Assignment (10%).

NB: Department permission required for enrolment. Entry is by invitation.

Lectures and tutorials: Lectures and tutorials in CHEM 2902 (Advanced) comprise two sets: 4 lectures and 1 tutorial per week in common with any other Intermediate Chemistry unit of study; and 1 lecture per week of advanced lectures on topics that are complementary to the other units of study.

Additional information: The number of places in Chemistry 2902 (Advanced) is limited. Normally entry to this unit of study is restricted to those students enrolled in Chemistry 2901.

However, a student who has performed particularly well in another February semester Chemistry unit of study may be invited by the Head of School to enrol in Chemistry 2902 (Advanced). See the Intermediate Chemistry unit of study Coordinator for further information.

Practical: Practical work entails 4 hours per week during the semester. Students must be available 1pm-5pm Friday afternoons for laboratory work

CHEM 2311 Chemistry 2 (Biological Sciences) Theory

4 credit points. Dr Ron Clarke. **Session:** 1. **Classes:** 4 lec/wk. **Prerequisite:** 12 credit points of Junior Chemistry. **Prohibition:** CHEM (2001 or 2101 or 2301 or 2901 or 2903 or 2502). **Assessment:** 3 hr exam (80%), continuous assessment (20%).

NB: This unit of study is available to students in the Bachelor of Medical Science and the Bachelor of Science (Molecular Biotechnology) 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, biomineralisation, etc).

CHEM 2312 Chemistry 2 (Biological Sciences) Prac

4 credit points. Dr Ron Clarke. **Session:** 1, 2. **Classes:** 1x4 hour practical/week. **Prerequisite:** 12 credit points of Junior Chemistry. **Corequisite:** CHEM 2311. **Prohibition:** CHEM (2001 or 2101 or 2301 or 2901 or 2903 or 2502). **Assessment:** Practical reports.

NB: This unit of study is available to students in the Bachelor of Medical Science and the Bachelor of Science (Molecular Biotechnology) only.

This unit of study aims to assist students in developing the knowledge and skills required to carry out practical work on the chemistry underlying biological systems. The course 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 2903 Chemistry Life Sciences (Advanced)

8 credit points. **Session:** 1. **Classes:** 4 lec & 4hr prac/wk. **Prerequisite:** 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) and the Bachelor of Medical Science must achieve a credit average in Junior units of study and a distinction average in Junior Chemistry units of study. **Qualifier:** CHEM (1902 or 1904 or 1909). **Prohibition:** CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2502 or 2901). **Assessment:** Theory (67%) and lab exercises (33%).

NB: Department permission required for enrolment. This unit of study is available to students in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Science (Molecular Biotechnology) 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, biomineralisation, 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.

Textbooks

As for CHEM 2001

Chemistry Senior units of study

A/Professor A E Masters

The School of Chemistry offers a broad choice of 3 credit point units of study to cater for the differing needs and interests

of students. Each unit involves one lecture and the equivalent of 2 hours of lab each week. A number of corequisites and restrictions apply and students should refer to the information below concerning the degree for which they are enrolled.

Bachelor of Science
 Bachelor of Science/Arts
 Bachelor of Science/Law
 Bachelor of Science/Commerce
 Bachelor of Medical Science

For all of the above degrees, the following conditions apply concerning selection of Senior Chemistry units of study:

1) Students must choose a total of either 12 or 24 credit points in Senior Chemistry (ie, 4 or 8 units of study) in a given semester. This restriction is necessary to accommodate the lab classes.

2) There are 4 Groups of units of study, indicated by the second number in the unit code – ie, CHEM X1XX indicates Group 1, CHEM X2XX indicates Group 2, etc. Students enrolling in either 12 or 24 credit points of Senior Chemistry in a semester may only select units from Groups 1, 2 and 3 and must select at least one unit from each of these Groups.

3) The lab classes will consist of two 4 hour sessions for students enrolled in 12 credit points and four 4 hour sessions for students enrolled in 24 credit points of Senior Chemistry. The lab classes are independent of the specific selection of units of study.

Bachelor of Science (Adv)

For students completing a Bachelor of Science (Adv) the following conditions apply concerning selection of Senior Chemistry units of study:

1) Students must choose a total of either 12 or 24 credit points in Senior Chemistry (ie, 4 or 8 units of study) in a given semester.

2) Advanced units of study are identified by a unit code of the form CHEM XX9X. Students who wish to enrol in Advanced Senior Chemistry units of study should make sure that they have indicated the appropriate unit code.

3) There are 4 groups of units of study, indicated by the second number in the unit code – ie, CHEM X1XX indicates Group 1, CHEM X2XX indicates Group 2, etc. Students enrolling in either 12 or 24 credit points of Senior Chemistry in a semester must select units from Groups 1–3 and must select at least one unit from each of these Groups.

4) Students enrolled in either 12 or 24 credit point of Advanced Senior Chemistry units must attend an additional seminar series (1 hour/week) consisting of group-based investigations of contemporary chemistry problems. At the end of the project, students are examined by means of a take-home assignment and these marks are included as a component of the lab mark for each of the units of study.

5) The lab classes will consist of two 4 hour sessions for students enrolled in 12 credit points and four 4 hour sessions for students enrolled in 24 credit points of Senior Chemistry. The lab classes are independent of the specific selection of units of study.

Bachelor of Science (Environmental)

Students enrolled in the Bachelor of Science (Environmental) degree who wish to take Senior Chemistry electives in Semester 1 must enrol in CHEM 3100 (or CHEM 3190) and CHEM 3209 (or CHEM 3299). Students in this degree who wish to take the Senior Chemistry elective in Semester 2 must enrol in two of the following units: CHEM 3105 (or CHEM 3195), CHEM 3107 (or CHEM 3197) and CHEM 3305 (or CHEM 3395).

Bachelor of Science (Molecular Biology and Genetics)

Students enrolled in the Bachelor of Science (Molecular Biology and Genetics) degree who wish to take the Senior Chemistry elective in Semester 2 are required to enrol in CHEM 3105 (or CHEM 3195), CHEM 3205 (or CHEM 3295), CHEM 3306 (or CHEM 3396) and any other Semester 2 unit from Groups 1–3.

Bachelor of Science (Molecular Biotechnology)

Students enrolled in Bachelor of Science (Molecular Biotechnology) who wish to take the Senior Chemistry elective in Semester 1 must enrol in CHEM 3209 (or CHEM 3299) and CHEM 3401. Students who wish to enrol in an additional 12 or 24 credit points of Senior Chemistry should refer to the requirements for either the Bachelor of Science or Bachelor of Science (Adv).

Group 1

CHEM 3100 Chemistry of the Main Group

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study

selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3190. **Assessment:** Exam (67%) and lab (33%).

The unit introduces general principles and trends in the physical and chemical properties of the p-block elements. It then discusses the more exotic chemistry of the metals and metalloids of Periodic Table groups 13 and 14, and the non-metallic elements of groups 15–18. Emphasis is placed on the chemical basis of the biological and environmental aspects of these elements as well as examining technologically important materials and new substances with the potential for industrial applications.

Topics will be selected from: boron hydrides, structures, bonding and topology; carboranes and dicarbollide ion complexes; organo-aluminium compounds; semi-conductors; silicates; zeolites; bioorganosilicon chemistry; preparation, properties and use of silicones; condensed polyphosphates, detergents; polyphosphazene systems, pseudo-aromaticity; acid rain; noble gas chemistry; lead compounds, lead oxides; industrial production of chemicals, pollutants from industrial sources; biological implications of p-block elements and other current issues.

CHEM 3103 Organometallic and Catalytic Chemistry

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3193. **Assessment:** Exam (67%) and lab (33%).

The objective of the unit is to provide an understanding of the fundamental organometallic chemistry, which underpins industrially important catalytic processes. Starting from an overview of catalysis and catalytic processes, which includes coverages of economic and engineering considerations, the features of organometallic chemistry which relate to catalysis are identified. Those features (ligand types, bonding models, fundamental reactions, clusters, spectroscopic characterization) are examined in turn. The combination of these fundamental reactions to form catalytic cycles is discussed. Finally industrially important catalytic processes are analysed in terms of the fundamental organometallic chemistry covered in the unit.

CHEM 3104 Symmetry and Vibrational Spectra

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3194, CHEM 3304 or CHEM 3394. **Assessment:** exam (67%) and lab (33%).

In order to have a full understanding of vibrational or electronic spectroscopy it is essential to have a firm background in symmetry. Symmetry is an inherently attractive tool for chemists since by applying very simple rules of symmetry it is possible to make inroads into numerous chemical problems such as chemical bonding, molecular vibrations and electronic transitions. Symmetry is used in inorganic chemistry, organic stereochemistry, crystallography and spectroscopy, just to name a few areas. Before we can use symmetry we need to learn some of the rules and define the terms that are frequently used. This involves using group theory theorems without having to be able to prove them mathematically. The course will then examine vibrational spectroscopy of inorganic and biological molecules.

CHEM 3105 Biol/Environ Transition Metal Chem

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3195. **Assessment:** exam (67%) and lab (33%).

The transition metals have an enormous variety of natural roles in biology; in biological catalysis, oxygen transport, electron transfer and stabilisation of large biomolecules. These roles will be illustrated by descriptions of metalloproteins containing zinc, iron, copper and molybdenum. Examples include recent research on 'zinc fingers', nitrogen fixation and photosynthesis. The medical consequences of nutritional trace-element deficiencies are discussed. Transition metals are also important in medicine, both as drugs and as toxins. The use of metal complexes such as platinum anticancer drugs, tumour imaging agents and radiation enhancers will be described. Heavy metal toxicity and the environmental problems associated with heavy metals will also

be discussed. All topics are discussed in the context of chemical structure, hard-soft-acid-base theory, stability and reactivity.

CHEM 3106 Inorganic Materials Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3196. **Assessment:** exam (67%) and lab (33%).

Materials chemistry is concerned with strategies for tailor-making materials with desired and controllable properties, be they catalytic, magnetic, electronic or adsorptive. To do this requires an understanding of the intricacies of structure and bonding in the solid state. This unit will provide an overview of a number of types of materials and the methods used in their characterisation. Topics to be covered include; the structure-property relationships in metal oxides displaying superconductivity or other unusual electronic properties; the potential of molecular solids for use in electronic and magnetic devices; and the importance of porosity in separations, sensing and catalysis.

CHEM 3107 Forensic and Analytical Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3197. **Assessment:** exam (67%) and lab (33%).

This unit 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. You will 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, EDAX ICP, HPLC, trace metals analysis, separation science, DNA analysis, etc., singly and in combination are used to examine forensic evidence. Guest speakers will assist with the unit as available.

CHEM 3108 Supramolecular Materials

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups (1 or 2) and 3. **Prohibition:** CHEM 3198. **Assessment:** exam (67%) and lab (33%).

In contrast to formation of covalent bonds between atoms in molecules, supramolecular chemistry refers to the non-covalent interactions between molecules. These non-covalent interactions (for example, hydrogen bonding, electrostatic interactions, stacking effects, π -interactions, and metal binding) are prevalent in biological systems, and are the crucial interactions that result in the binding of specific substrates or enzymes to receptor proteins, in the assembly of protein-protein complexes, in the assembly and stabilisation of DNA, and in the structures and functions of membranes. Chemists are now able to utilise these non-covalent interactions in a similar manner to Nature, and thus allow the construction or self-assembly of large arrays of molecules. Examples of supramolecular systems which will be discussed include the design and synthesis of artificial receptors for drugs, amino acids and nucleotides, the selective encapsulation of metal ions, chemical switches, enzyme mimics, the one-pot assembly of catenanes, rotaxanes and double and triple-helices, and the design and synthesis of molecular frameworks for separations and catalysis.

CHEM 3109 Transition Metal Chemistry

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3199. **Assessment:** exam (67%) and lab (33%).

Transition metal chemistry finds applications in areas such as life processes, advanced materials, colour chemistry, analytical chemistry, environmental chemistry, organic synthesis, marine chemistry, geochemistry and catalysis. This unit involves a systematic study of the 3d, 4d, and 5d transition elements, the lanthanoids and actinoids. Their physical and chemical properties, and the application of their compounds to the above mentioned areas will be discussed. Emphasis is placed on the

correlation of physical properties with electronic and geometric structures, which will lead on to a study of inorganic reaction mechanisms. The latter are central to the understanding of a large number of processes, including enzymatic processes, industrial catalysis and many organic oxidations. Topics to be discussed include substitution reactions of octahedral and square-planar complexes, acid- and base-catalysis of substitution reactions, isomerisations and redox chemistry.

CHEM 3190 Chemistry of the Main Group (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3100. **Assessment:** exam (67%) and lab+advanced seminars (33%).

The unit introduces general principles and trends in the physical and chemical properties of the p-block elements. It then discusses the more exotic chemistry of the metals and metalloids of Periodic Table groups 13 and 14, and the non-metallic elements of groups 15–18. Emphasis is placed on the chemical basis of the biological and environmental aspects of these elements as well as examining technologically important materials and new substances with the potential for industrial applications.

Topics will be selected from: boron hydrides, structures, bonding and topology; carboranes and dicarbollide ion complexes; organo-aluminium compounds; semi-conductors; silicates; zeolites; bioorganosilicon chemistry; preparation, properties and use of silicones; condensed polyphosphates, detergents; polyphosphazene systems, pseudo-aromaticity; acid rain; noble gas chemistry; lead compounds, lead oxides; industrial production of chemicals, pollutants from industrial sources; biological implications of p-block elements and other current issues.

CHEM 3193 Organometallic and Catalytic Chem (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3103. **Assessment:** exam (67%) and lab+advanced seminars (33%).

The objective of the unit is to provide an understanding of the fundamental organometallic chemistry, which underpins industrially important catalytic processes. Starting from an overview of catalysis and catalytic processes, which includes coverages of economic and engineering considerations, the features of organometallic chemistry which relate to catalysis are identified. Those features (ligand types, bonding models, fundamental reactions, clusters, spectroscopic characterization) are examined in turn. The combination of these fundamental reactions to form catalytic cycles is discussed. Finally industrially important catalytic processes are analysed in terms of the fundamental organometallic chemistry covered in the unit.

CHEM 3194 Symmetry and Vibrational Spectra (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3104, CHEM 3304 or CHEM 3394. **Assessment:** exam (67%) and lab+advanced seminars (33%).

In order to have a full understanding of vibrational or electronic spectroscopy it is essential to have a firm background in symmetry. Symmetry is an inherently attractive tool for chemists since by applying very simple rules of symmetry it is possible to make inroads into numerous chemical problems such as chemical bonding, molecular vibrations and electronic transitions. Symmetry is used in inorganic chemistry, organic stereochemistry, crystallography and spectroscopy, just to name a few areas. Before we can use symmetry we need to learn some of the rules and define the terms that are frequently used. This involves using group theory theorems without having to be able to prove them mathematically. The course will then examine vibrational spectroscopy of inorganic and biological molecules.

CHEM 3195 Biol/Environ Transition Metal Chem (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other

Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3105.

Assessment: exam (67%) and lab+advanced seminars (33%).

The transition metals have an enormous variety of natural roles in biology; in biological catalysis, oxygen transport, electron transfer and stabilisation of large biomolecules. These roles will be illustrated by descriptions of metalloproteins containing zinc, iron, copper and molybdenum. Examples include recent research on 'zinc fingers', nitrogen fixation and photosynthesis. The medical consequences of nutritional trace-element deficiencies are discussed. Transition metals are also important in medicine, both as drugs and as toxins. The use of metal complexes such as platinum anticancer drugs, tumour imaging agents and radiation enhancers will be described. Heavy metal toxicity and the environmental problems associated with heavy metals will also be discussed. All topics are discussed in the context of chemical structure, hard-soft-acid-base theory, stability and reactivity.

CHEM 3196 Inorganic Materials Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3106.

Assessment: exam (67%) and lab+advanced seminars (33%).

Materials chemistry is concerned with strategies for tailor-making materials with desired and controllable properties, be they catalytic, magnetic, electronic or adsorptive. To do this requires an understanding of the intricacies of structure and bonding in the solid state. This unit will provide an overview of a number of types of materials and the methods used in their characterisation. Topics to be covered include; the structure-property relationships in metal oxides displaying superconductivity or other unusual electronic properties; the potential of molecular solids for use in electronic and magnetic devices; and the importance of porosity in separations, sensing and catalysis.

CHEM 3197 Forensic and Analytical Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3107.

Assessment: exam (67%) and lab+advanced seminars (33%).

This unit 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. You will 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, EDAX ICP, HPLC, trace metals analysis, separation science, DNA analysis, etc., singly and in combination are used to examine forensic evidence. Guest speakers will assist with the unit as available.

CHEM 3198 Supramolecular Materials (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups (1 or 2) and 3. **Prohibition:** CHEM 3108.

Assessment: exam (67%) and lab+advanced seminars (33%).

In contrast to formation of covalent bonds between atoms in molecules, supramolecular chemistry refers to the non-covalent interactions between molecules. These non-covalent interactions (for example, hydrogen bonding, electrostatic interactions, stacking effects, π -interactions, and metal binding) are prevalent in biological systems, and are the crucial interactions that result in the binding of specific substrates or enzymes to receptor proteins, in the assembly of protein-protein complexes, in the assembly and stabilisation of DNA, and in the structures and functions of membranes. Chemists are now able to utilise these non-covalent interactions in a similar manner to Nature, and thus allow the construction or self-assembly of large arrays of molecules. Examples of supramolecular systems which will be discussed include the design and synthesis of artificial receptors for drugs, amino acids and nucleotides, the selective encapsulation of metal ions, chemical switches, enzyme mimics, the one-pot assembly of catenanes, rotaxanes and double and triple- helices, and the design and synthesis of molecular frameworks for separations and catalysis.

CHEM 3199 Transition Metal Chemistry (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 2 and 3. **Prohibition:** CHEM 3109.

Assessment: exam (67%) and lab+advanced seminars (33%).

Transition metal chemistry finds applications in areas such as life processes, advanced materials, colour chemistry, analytical chemistry, environmental chemistry, organic synthesis, marine chemistry, geochemistry and catalysis. This unit involves a systematic study of the 3d, 4d, and 5d transition elements, the lanthanoids and actinoids. Their physical and chemical properties, and the application of their compounds to the above mentioned areas will be discussed. Emphasis is placed on the correlation of physical properties with electronic and geometric structures, which will lead on to a study of inorganic reaction mechanisms. The latter are central to the understanding of a large number of processes, including enzymatic processes, industrial catalysis and many organic oxidations. Topics to be discussed include substitution reactions of octahedral and square-planar complexes, acid- and base- catalysis of substitution reactions, isomerisations and redox chemistry.

Group 2

CHEM 3200 Stereochemistry and Mechanisms

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3290. **Assessment:** exam (67%) and lab (33%).

The unit oversees organic chemistry from a mechanistic point of view. You first learn more about the stereochemistry of molecules, the issues of chirality, how to make chiral substances and why all this is important in biology and in the chemical laboratory. Then you see how the stereochemical changes in reactions allow you to prove unambiguously how stepwise substitution, addition and elimination reactions proceed, and finally you learn the wonderfully simple laws which explain (and allow you to predict how) concerted reactions occur.

CHEM 3203 Bioorganic Chemistry

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3293. **Assessment:** exam (67%) and lab (33%).

DNA, proteins and carbohydrates are the three classes of essential biomolecules that are present in all biological systems. This unit will cover the structure and chemical reactivity of the building blocks (nucleotides, amino acids and monosaccharides) from which these molecules are assembled as well as the structure and function of these biomolecules in living systems. Applications of this chemistry will be highlighted for example: sugar (sucrose) and artificial sweeteners (Nutrasweet, Splenda); fibre in the diet (what is in Metamucil and All-Bran?); the chemistry of hair, nails and enzymes; medically important drugs that interact with DNA (mustard gas, ethidium bromide, current clinically used chemotherapy drugs), and DNA fingerprinting.

CHEM 3204 Heterocyclic Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3294. **Assessment:** exam (67%) and lab (33%).

Some 40% of all known organic compounds are heterocyclic and many have outstanding chemical, biological, and industrial importance. The first part of this unit deals with rings with a single heteroatom and can be regarded as a logical continuation of the aromatic chemistry of the second year units. The synthesis and reactions of five- and six-membered heterocyclic compounds, and the influence of the heteroatom will be discussed. The second part of this unit deals with heterocyclic compounds with two or more heteroatoms in the ring system including: important ring systems such as pyrimidines and purines (that are an integral part of the DNA and RNA bases); imidazole and thiazole (that are found in some amino acids and vitamins); and porphyrins (that are natural colouring substances

and that are responsible for the oxygen-carrying component of blood).

CHEM 3205 Medicinal and Biological Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3295. **Assessment:** exam (67%) and lab (33%).

This focus of this unit is how pharmaceuticals are designed and synthesised, and how they work. No previous knowledge of biochemistry or cell biology is required or assumed.

The structures and properties of the major targets of drug action – enzymes, receptors, DNA and cell membranes – will be described in detail. The molecular basis for the therapeutic activity of various drugs will be explored, and a description of how pharmaceuticals interact with their specific biomolecular targets to confer their medicinal properties will be presented. The current arsenal of methods used in the discovery of new drugs will be highlighted, including rational drug design, random screening and combinatorial chemistry. Various case studies will be examined throughout the unit, including examples of the action of antibiotics (penicillin, vancomycin), anti-inflammatory drugs (aspirin, naproxen), cholesterol-lowering agents (Lipitor®) and anti-cancer compounds (Taxol®).

CHEM 3206 Radical and Pericyclic Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3296. **Assessment:** exam (67%) and lab (33%).

The unit will first deal with free radicals which are ubiquitous species involved in the O₂-initiated breakdown of biological material (a radical reaction often mentioned by manufacturers of 'health and beauty' products containing antioxidants), and in the synthesis of natural products, fine chemicals (pharmaceuticals, agrochemicals, etc.) and synthetic polymers. Then we turn to pericyclic reactions, particularly the Diels-Alder reaction which is arguable the most important reaction in organic chemistry. The focus of this unit is on natural products, and on how they have provided such rich chemistry (free radical and pericyclic) which has modern synthetic, biosynthetic, environmental and biological applications.

CHEM 3207 Synthetic Methods

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3297. **Assessment:** exam (67%) and lab (33%).

This unit will focus on the issues that are faced by organic chemists when they pursue the synthesis of novel compounds. It will highlight important general strategies and develop a logical approach to planning a synthesis that is applicable to any target structure. We will study a range of reagents used to effect fundamental synthetic transformations including, hydride reducing agents for functional group reduction, organometallic reagents for carbon-carbon bond formation, phosphorus based reagents for the geometrically controlled synthesis of carbon-carbon double bonds and enolates for the stereoselective synthesis of carbonyl containing compounds. The emphasis will be on how to apply these reagents successfully in complex and challenging situations. Throughout the unit the concepts and techniques introduced will be illustrated by real life examples of synthesis conducted by pharmaceutical companies and academic research labs around the world. Examples will include the synthesis of pharmaceuticals such as local anaesthetics, non-nucleoside anti-HIV-1 treatments and natural products that have recently entered clinical trials for the treatment of multi-drug resistant cancers.

CHEM 3209 Organic Structures From Spectra

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002, for students enrolled in B.Sci.(MOBT) – MOBT 2001, MOBT 2002, CHEM 2311 and CHEM 2312. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3299. **Assessment:** exam (67%) and lab (33%).

This unit is all about how to interpret the spectra produced by the highly sophisticated, modern spectroscopic instruments that are present in all research and analytical laboratories. You learn, inter alia, how to put together the clues from a mass spectrum with the clues from the chemical shift and couplings in an ¹H nmr spectrum, and with the clues arising from the interactions between hydrogens and carbons in a ¹³C nmr spectrum. The unit is part lectures and part problem solving workshops.

CHEM 3290 Stereochemistry and Mechanisms (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3200. **Assessment:** exam (67%) and lab+advanced seminars (33%). The unit overviews organic chemistry from a mechanistic point of view. You first learn more about the stereochemistry of molecules, the issues of chirality, how to make chiral substances and why all this is important in biology and in the chemical laboratory. Then you see how the stereochemical changes in reactions allow you to prove unambiguously how stepwise substitution, addition and elimination reactions proceed, and finally you learn the wonderfully simple laws which explain (and allow you to predict how) concerted reactions occur.

CHEM 3293 Bioorganic Chemistry (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3203. **Assessment:** exam (67%) and lab+advanced seminars (33%). DNA, proteins and carbohydrates are the three classes of essential biomolecules that are present in all biological systems. This unit will cover the structure and chemical reactivity of the building blocks (nucleotides, amino acids and monosaccharides) from which these molecules are assembled as well as the structure and function of these biomolecules in living systems. Applications of this chemistry will be highlighted for example: sugar (sucrose) and artificial sweeteners (Nutrasweet, Splenda); fibre in the diet (what is in Metamucil and All-Bran?); the chemistry of hair, nails and enzymes; medicinally important drugs that interact with DNA (mustard gas, ethidium bromide, current clinically used chemotherapy drugs), and DNA fingerprinting.

CHEM 3294 Heterocyclic Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3204. **Assessment:** exam (67%) and lab+advanced seminars (33%). Some 40% of all known organic compounds are heterocyclic and many have outstanding chemical, biological, and industrial importance. The first part of this unit deals with rings with a single heteroatom and can be regarded as a logical continuation of the aromatic chemistry of the second year units. The synthesis and reactions of five- and six-membered heterocyclic compounds, and the influence of the heteroatom will be discussed. The second part of this unit deals with heterocyclic compounds with two or more heteroatoms in the ring system including: important ring systems such as pyrimidines and purines (that are an integral part of the DNA and RNA bases); imidazole and thiazole (that are found in some amino acids and vitamins); and porphyrins (that are natural colouring substances and that are responsible for the oxygen-carrying component of blood).

CHEM 3295 Medicinal and Biological Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3205. **Assessment:** exam (67%) and lab+advanced seminars (33%). This focus of this unit is how pharmaceuticals are designed and synthesised, and how they work. No previous knowledge of biochemistry or cell biology is required or assumed.

The structures and properties of the major targets of drug action – enzymes, receptors, DNA and cell membranes – will be described in detail. The molecular basis for the therapeutic activity of various drugs will be explored, and a description of how pharmaceuticals interact with their specific biomolecular

targets to confer their medicinal properties will be presented. The current arsenal of methods used in the discovery of new drugs will be highlighted, including rational drug design, random screening and combinatorial chemistry. Various case studies will be examined throughout the unit, including examples of the action of antibiotics (penicillin, vancomycin), anti-inflammatory drugs (aspirin, naproxen), cholesterol-lowering agents (Lipitor®) and anti-cancer compounds (Taxol®).

CHEM 3296 Radical and Pericyclic Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3206.

Assessment: exam (67%) and lab+advanced seminars (33%).

The unit will first deal with free radicals which are ubiquitous species involved in the O₂-initiated breakdown of biological material (a radical reaction often mentioned by manufacturers of 'health and beauty' products containing antioxidants), and in the synthesis of natural products, fine chemicals (pharmaceuticals, agrochemicals, etc.) and synthetic polymers. Then we turn to pericyclic reactions, particularly the Diels-Alder reaction which is arguable the most important reaction in organic chemistry. The focus of this unit is on natural products, and on how they have provided such rich chemistry (free radical and pericyclic) which has modern synthetic, biosynthetic, environmental and biological applications.

CHEM 3297 Synthetic Methods (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3207.

Assessment: exam (67%) and lab+advanced seminars (33%).

This unit will focus on the issues that are faced by organic chemists when they pursue the synthesis of novel compounds. It will highlight important general strategies and develop a logical approach to planning a synthesis that is applicable to any target structure. We will study a range of reagents used to effect fundamental synthetic transformations including, hydride reducing agents for functional group reduction, organometallic reagents for carbon-carbon bond formation, phosphorus based reagents for the geometrically controlled synthesis of carbon-carbon double bonds and enolates for the stereoselective synthesis of carbonyl containing compounds. The emphasis will be on how to apply these reagents successfully in complex and challenging situations. Throughout the unit the concepts and techniques introduced will be illustrated by real life examples of synthesis conducted by pharmaceutical companies and academic research labs around the world. Examples will include the synthesis of pharmaceuticals such as local anaesthetics, non-nucleoside anti-HIV-1 treatments and natural products that have recently entered clinical trials for the treatment of multi-drug resistant cancers.

CHEM 3299 Organic Structures From Spectra (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002, for students enrolled in B.Sci.(MOBT) – MOBT 2001, MOBT 2002, CHEM 2311 and CHEM 2312. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 3. **Prohibition:** CHEM 3209. **Assessment:** exam (67%) and lab+advanced seminars (33%).

This unit is all about how to interpret the spectra produced by the highly sophisticated, modern spectroscopic instruments that are present in all research and analytical laboratories. You learn, inter alia, how to put together the clues from a mass spectrum with the clues from the chemical shift and couplings in an ¹H nmr spectrum, and with the clues arising from the interactions between hydrogens and carbons in a ¹³C nmr spectrum. The unit is part lectures and part problem solving workshops.

Group 3

CHEM 3301 Quantum Chemistry

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3391. **Assessment:** exam (67%) and lab (33%).

Quantum Theory provides the theory and the tools for the study and understanding of chemical processes at the microscopic level of electrons, nuclei and their interactions. This unit focuses on the development of a sound understanding of basic quantum chemical concepts such as the Schrödinger wave equation, quantum mechanical operators and wave functions and their interpretation. The techniques are applied to (a) the study of simple model systems, that illustrate fundamental quantum phenomena such as quantization, tunnelling and covalent bonding, (b) the description of atomic and molecular electronic structure, and (c) the role of symmetry and its use in molecular orbital theory.

CHEM 3302 Chemical Dynamics

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3392. **Assessment:** exam (67%) and lab (33%).

This unit begins with the fundamentals of dynamics of molecular collisions, reactions on potential energy surfaces, transition states and how we may obtain information about the actual mechanism of reactions at the microscopic level. Important applications of chemical dynamics are then discussed including chain reactions, explosions and flames, oscillating chemical reactions and the approach to chemical chaos.

CHEM 3303 Surfaces and Colloids

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3393. **Assessment:** exam (67%) and lab (33%).

Surface chemistry can occur any time two phases – solid, liquid, or gas – are in contact. Many important chemical, physical and biological processes occur at surfaces rather than inside the bulk phases with which we are more familiar. This module introduces the concepts of surface tension, adsorption, and the electrical double-layer and uses them to understand important applications. Examples will be drawn from liquid spreading, adhesion, nucleation of new phases, catalysis, coagulation of dispersions and detergency.

CHEM 3304 Symmetry and Electronic Spectra

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3394, CHEM 3104 or CHEM 3194. **Assessment:** exam (67%) and lab (33%).

In order to have a full understanding of vibrational or electronic spectroscopy it is essential to have a firm background in symmetry. Symmetry is an inherently attractive tool for chemists since by applying very simple rules of symmetry it is possible to make inroads into numerous chemical problems such as chemical bonding, molecular vibrations and electronic transitions. Symmetry is used in inorganic chemistry, organic stereochemistry, crystallography and spectroscopy, just to name a few areas. Before we can use symmetry we need to learn some of the rules and define the terms that are frequently used. This involves using group theory theorems without having to be able to prove them mathematically. The course will then examine molecular electronic spectroscopy.

CHEM 3305 Atmospheric and Photochemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac.

Prerequisite: CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3395. **Assessment:** exam (67%) and lab (33%).

This unit will examine the chemistry of species emitted into the atmosphere leading to an understanding of i) photochemical smog, ii) stratospheric ozone depletion, and iii) the 'Greenhouse effect'. Specific topics to be covered include: the structure of the atmosphere, brief review of spectroscopy and kinetics, chemistry of the 'natural' atmosphere, chemistry of the polluted troposphere, nighttime chemistry, stratospheric chemistry / ozone depletion, global warming and the greenhouse effect.

CHEM 3306 Biophysical Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3396. **Assessment:** exam (67%) and lab (33%).

Much of biochemistry deals with physical interactions and communication between biological molecules. Examples of this include protein folding and unfolding, transport across cell membranes, nerve impulse propagation and muscle contraction. In this unit we explore how these complex phenomena arise from familiar electrostatic, hydrogen bonding, hydrophobic and other chemical interactions. We shall also discuss modern physical techniques for their further investigation and the underlying physical principles involved.

CHEM 3307 Polymer Chemistry

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3397. **Assessment:** exam (67%) and lab (33%).

Natural and synthetic polymers are inseparable parts of our everyday lives. This module describes the mechanisms of polymer formation and how molecular architecture affects the physical properties of a polymer. Topics include traditional and novel means of polymer synthesis (free radical, ionic, condensation, RAFT), the corresponding kinetics and molecular weights, the molecular-level description of polymer cohesion, hardness and softness (the glass transition), conducting polymers, and the intelligent design of new polymers. The environmental impact of polymers will also be discussed.

CHEM 3308 Physical Chemistry of Materials

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3398. **Assessment:** exam (67%) and lab (33%).

One of the most tangible impacts of chemistry in our daily lives is in the macroscopic properties of materials. This unit will provide an introduction to the chemistry of material properties. A number of properties will be selected from among the following: viscosity, diffusion, thermal conductivity, electrical conductivity, elastic moduli, yield stress and toughness. The microscopic origins of the selected properties will then be examined in the context of a selected class of materials. Possible material classes include polymers, ceramics, metals and dielectrics (including semiconductors).

CHEM 3391 Quantum Chemistry (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3301. **Assessment:** exam (67%) and lab+advanced seminars (33%).

Quantum Theory provides the theory and the tools for the study and understanding of chemical processes at the microscopic level of electrons, nuclei and their interactions. This unit focuses on the development of a sound understanding of basic quantum chemical concepts such as the Schrödinger wave equation, quantum mechanical operators and wave functions and their interpretation. The techniques are applied to (a) the study of simple model systems, that illustrate fundamental quantum phenomena such as quantization, tunnelling and covalent bonding, (b) the description of atomic and molecular electronic structure, and (c) the role of symmetry and its use in molecular orbital theory.

CHEM 3392 Chemical Dynamics (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3302. **Assessment:** exam (67%) and lab+advanced seminars (33%).

This unit begins with the fundamentals of dynamics of molecular collisions, reactions on potential energy surfaces, transition states and how we may obtain information about the actual mechanism of reactions at the microscopic level. Important applications of chemical dynamics are then discussed including

chain reactions, explosions and flames, oscillating chemical reactions and the approach to chemical chaos.

CHEM 3393 Surfaces and Colloids (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3303. **Assessment:** exam (67%) and lab+advanced seminars (33%).

Surface chemistry can occur any time two phases – solid, liquid, or gas – are in contact. Many important chemical, physical and biological processes occur at surfaces rather than inside the bulk phases with which we are more familiar. This module introduces the concepts of surface tension, adsorption, and the electrical double-layer and uses them to understand important applications. Examples will be drawn from liquid spreading, adhesion, nucleation of new phases, catalysis, coagulation of dispersions and detergency.

CHEM 3394 Symmetry and Electronic Spectra (Adv)

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3304, CHEM 3104 or CHEM 3194. **Assessment:** exam (67%) and lab+advanced seminars (33%).

In order to have a full understanding of vibrational or electronic spectroscopy it is essential to have a firm background in symmetry. Symmetry is an inherently attractive tool for chemists since by applying very simple rules of symmetry it is possible to make inroads into numerous chemical problems such as chemical bonding, molecular vibrations and electronic transitions. Symmetry is used in inorganic chemistry, organic stereochemistry, crystallography and spectroscopy, just to name a few areas. Before we can use symmetry we need to learn some of the rules and define the terms that are frequently used. This involves using group theory theorems without having to be able to prove them mathematically. The course will then examine molecular electronic spectroscopy.

CHEM 3395 Atmospheric and Photochemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902), for students in B.Sc.(ENVI) CHEM(1102 or 1902) and ENVI 2002. **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3305. **Assessment:** exam (67%) and lab+advanced seminars (33%).

This unit will examine the chemistry of species emitted into the atmosphere leading to an understanding of i) photochemical smog, ii) stratospheric ozone depletion, and iii) the 'Greenhouse effect'. Specific topics to be covered include: the structure of the atmosphere, brief review of spectroscopy and kinetics, chemistry of the 'natural' atmosphere, chemistry of the polluted troposphere, nighttime chemistry, stratospheric chemistry / ozone depletion, global warming and the greenhouse effect.

CHEM 3396 Biophysical Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3306. **Assessment:** exam (67%) and lab+advanced seminars (33%).

Much of biochemistry deals with physical interactions and communication between biological molecules. Examples of this include protein folding and unfolding, transport across cell membranes, nerve impulse propagation and muscle contraction. In this unit we explore how these complex phenomena arise from familiar electrostatic, hydrogen bonding, hydrophobic and other chemical interactions. We shall also discuss modern physical techniques for their further investigation and the underlying physical principles involved.

CHEM 3397 Polymer Chemistry (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3307. **Assessment:** exam (67%) and lab+advanced seminars (33%).

Natural and synthetic polymers are inseparable parts of our everyday lives. This module describes the mechanisms of polymer formation and how molecular architecture affects the

physical properties of a polymer. Topics include traditional and novel means of polymer synthesis (free radical, ionic, condensation, RAFT), the corresponding kinetics and molecular weights, the molecular-level description of polymer cohesion, hardness and softness (the glass transition), conducting polymers, and the intelligent design of new polymers. The environmental impact of polymers will also be discussed.

CHEM 3398 Physical Chemistry of Materials (Adv)

3 credit points. **Session:** 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** Distinction average in CHEM (2001 or 2101 or 2301 or 2901) and CHEM (2302 or 2902). **Corequisite:** Either 3 or 7 other Senior Chemistry units of study selected from Groups 1–3 including at least one unit from each of Groups 1 and 2. **Prohibition:** CHEM 3308.

Assessment: exam (67%) and lab+advanced seminars (33%). One of the most tangible impacts of chemistry in our daily lives is in the macroscopic properties of materials. This unit will provide an introduction to the chemistry of material properties. A number of properties will be selected from among the following: viscosity, diffusion, thermal conductivity, electrical conductivity, elastic moduli, yield stress and toughness. The microscopic origins of the selected properties will then be examined in the context of a selected class of materials. Possible material classes include polymers, ceramics, metals and dielectrics (including semiconductors)

Group 4

CHEM 3401 Molecular Modelling and Drug Design

3 credit points. **Session:** 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisite:** MOBT 2001, MOBT 2002, CHEM 2311 and CHEM 2312. **Corequisite:** Enrollment in B.Sc.(Molecular Biotechnology) and CHEM 3209 or CHEM 3299. **Prohibition:** May not be counted for degree other than B.Sc.(Molecular Biotechnology). **Assessment:** exam (67%) and lab (33%).

The lectures include 4 main topics. Organic and inorganic stereochemistry addresses the importance of stereochemistry in biological activity; geometric isomerism and optical isomerism. Quantitative Structure-Activity Relationships (QSAR) covers chemometric models used to analyse the relationships between the biological activity and the physicochemical properties of a drug. Techniques used to measure the physicochemical parameters used in QSAR techniques, such as reverse-phase high pressure liquid chromatography (RP-HPLC); three-dimensional (3D) QSAR techniques are covered. Also covered are computational methods in drug design and solvation and hydrogen bonding in biological chemistry.

Chemistry Honours

Dr 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, from the Administrative Officer (Academic), or at 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 CIVL 1051 – Statics (5 credit points), CIVL 2201 – Structural Mechanics (6 credit points), CIVL 2205 – Introduction to Structural Design (4 credit points), and CIVL 2204 – Introduction to Structural Concepts (4 credit points). Details regarding these units of study can be obtained from the Faculty of Engineering Handbook.

The above units of study are intended first to demonstrate the application of scientific principles in an engineering context so that the science student will gain an understanding of the engineering behaviour of materials and engineering structures. The second intention is to introduce the application of this understanding to the analysis and design of engineering structures.

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 prerequisites.

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 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. **Session:** 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed knowledge:** HSC Mathematics. **Prohibition:** 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. **Session:** 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed knowledge:** HSC Mathematics. **Prerequisite:** UAI of at least 90, or COSC 1902, or a distinction or better in COSC 1002, SOFT (1001, 1002, 1901 or 1902). **Prohibition:** 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. The unit focuses on scientific problem solving and data visualisation using computers. 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 1002 Computational Science in C

3 credit points. Dr Mike Wheatland. **Session:** 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed knowledge:** HSC Mathematics.

Prohibition: 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.

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. Dr Mike Wheatland. **Session:** 2. **Classes:** one 1hr lecture, one 2hr practical. **Assumed knowledge:** HSC Mathematics.

Prerequisite: UAI of at least 90, or COSC 1901, or a distinction or better in COSC 1001, SOFT (1001, 1002, 1901 or 1902). **Prohibition:** 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. The unit focuses on scientific problem solving using computers. 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 2001 Computational Science 2

6 credit points. Dr M.S. Wheatland. **Session:** 1. **Classes:** 2 lectures & 4 hours prac/week. **Assumed knowledge:** A basic knowledge of C and MATLAB. **Prerequisite:** 12 credit points chosen from junior Mathematics or Junior Computational Science units. **Prohibition:** COSC 2901.

Assessment: Assignment work, practical exam, written exam.

Scientific computing now ranks with theory and experiment/observation as a third way to pursue scientific investigations. This unit of study provides an Intermediate-level treatment of the solution of scientific problems using computers. Students will develop their programming abilities and learn numerical methods and modelling techniques to enable them to solve a variety of problems from diverse areas of science, including biology, chemistry, astronomy, and physics. The emphasis will be on practical problem solving skills, and on visualization of data and solutions. Programming will be in C and MATLAB, and a basic knowledge of these languages is assumed.

COSC 2901 Computational Science 2 (Advanced)

6 credit points. Dr M.S. Wheatland. **Session:** 1. **Classes:** 2 lectures & 4 hours prac/week. **Assumed knowledge:** A basic knowledge of C and MATLAB. **Prerequisite:** 12 credit points at a credit level chosen from Junior Mathematics units or Junior Mathematics and Junior Computational Science units. **Prohibition:** COSC 2001. **Assessment:** Assignment work, practical exam, written exam.

Scientific computing now ranks with theory and experiment/observation as a third way to pursue scientific investigations. This unit of study provides an Intermediate-level treatment of the solution of scientific problems using computers. Students will develop their programming abilities and learn numerical methods and modelling techniques to enable them to solve a variety of problems from diverse areas of science, including biology, chemistry, astronomy, and physics. The emphasis will be on practical problem solving skills, and on visualization of

data and solutions. Programming will be in C and MATLAB, and a basic knowledge of these languages is assumed.

COSC 3001 Computational Science 3A

4 credit points. Dr M.S. Wheatland. **Session:** 1. **Classes:** 2 lectures & 2 hours prac/week. **Assumed knowledge:** Programming experience in C and MATLAB. **Prerequisite:** 12 credit points chosen from junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units or equivalent and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. **Prohibition:** COSC 3901, PHYS 3301, PHYS 3901.

Assessment: Assignment work, practical exam, written exam.

Scientific computing now ranks with theory and experiment/observation as a third way to pursue scientific investigations. This unit of study provides a senior-level treatment of the solution of scientific problems using computers. Students will learn techniques in programming, numerical methods and modelling enabling them to solve diverse problems in areas including physics, astronomy, chemistry, geology, and biology. Programming will be in C and MATLAB, and programming ability in these languages is assumed.

COSC 3901 Computational Science 3A (Advanced)

4 credit points. Dr M.S. Wheatland. **Session:** 1. **Classes:** 2 lects & 2 hours prac/week. **Assumed knowledge:** Programming experience in C and MATLAB. **Prerequisite:** 12 credit points chosen from junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units at credit level or equivalent and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. **Prohibition:** COSC 3001, PHYS 3301, PHYS 3901. **Assessment:** Assignment work, practical exam, written exam.

As for COSC 3001 but with some more challenging material.

COSC 3002 Computational Science 3B

4 credit points. Dr M.S. Wheatland. **Session:** 2. **Classes:** 2 lects & 2 hours prac/week. **Assumed knowledge:** Programming experience in C and MATLAB. **Prerequisite:** 12 credit points from the Science subject areas of Junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units or equivalent, and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. **Prohibition:** COSC 3601, COSC 3902, PHYS 3303, PHYS 3933. **Assessment:** Assignment work, practical exam, written exam.

Scientific computing now ranks with theory and experiment/observation as a third way to pursue scientific investigations. This unit gives a Senior-level treatment of scientific problem solving using computers, covering topics in scientific visualisation and high-performance computing, including visualising 3D datasets, the use of sophisticated algorithms, and parallel programming including Beowulf clusters. Programming will be in C and MATLAB as well as specialised visualisation packages, and experience in C and MATLAB is assumed.

COSC 3902 Computational Science 3B (Advanced)

4 credit points. Dr M.S. Wheatland. **Session:** 2. **Classes:** 2 lects & 2 hours prac/week. **Assumed knowledge:** Programming experience in C and MATLAB. **Prerequisite:** 12 credit points from the Science subject areas of Junior Mathematics and Statistics, 6 credit points of Junior or Intermediate Computational Science units at a credit level or equivalent, and 16 credit points of Intermediate units in Science subject areas, not including Computational Science. **Prohibition:** COSC 3601, COSC 3002, PHYS 3303, PHYS 3933. **Assessment:** Assignment work, practical exam, written exam.

As for COSC 3002 but with some more challenging material.

COSC 3701 Computational Science Project

8 credit points. Dr Mike Wheatland. **Session:** N/A in 2004. **Classes:** 1hr meeting with supervisor and 7hr project work/wk; 3-4 introductory lectures given by supervisor. **Assumed knowledge:** Able to program in a standard language. **Prerequisite:** 16 credit points of intermediate level natural sciences plus at least one of COSC (1001 or 1901 or 1002 or 1902) or SOFT (1001 or 1901) or MATH (2003 or 2903) or PHYS (2001 or 2901 or 2002 or 2902). **Assessment:** Quality of proposal (10%), application (50%), and report (40%). The assessment is done at a group level (each group comprises several students) for quality of proposal and application, and at the individual level for the report.

This unit of study is building on a real-case scenario involving an IT company and its clients, employers and employees. The client (ie, a university researcher with an interest in Computational Science outside bioinformatics – see BINF 3001 for bioinformatics projects) contacts the company with the aim to obtain a Computational Science application that will assist him/her in a pursuit of new avenues of research and service provision. Terms of reference are drafted with the project managers (ie, the academics responsible for delivering the unit of study) of the IT company, and are then presented to a small group of employees

(ie, the students), who design and implement a plan of how to write and deliver the software.

■ Environmental Science

The majority of the units of study listed below are only available to students in the Bachelor of Science (Environmental). 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. Further information regarding the Bachelor of Science (Environmental) can be found on the Environmental Science Web site at www.usyd.edu.au/envsci.

Bachelor of Science (Environmental) Junior units of study

ENVI 1001 Global Geology

6 credit points. **Session:** 1. **Classes:** 3 lec & 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.

The unit of study serves as an introduction to environmental geology by examining global geological processes and their controls on the human environment. The unit of study explores the origin of the Earth within the developing Solar System and traces the evolution of the Earth's hydrosphere, atmosphere and biosphere through geological time. Other topics include plate tectonics, and the influence of volcanic activity, earthquakes and other geological hazards on human occupation of the planet. The unit of study includes an examination of minerals and rocks as an introduction to the study of the Earth's mineral and energy resources.

Students considering enrolling in this unit of study should study the pamphlet on the Junior unit of study in Geology, obtainable from the Enquiry Office in the Edgeworth David Building. It gives details of unit of study content, text and reference books, staffing and other relevant matters.

ENVI 1002 Geomorphic Environments and Change

6 credit points. **Session:** 2. **Classes:** 3 lec & 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 completes the introduction to environmental earth sciences by examining geographical scales of environmental concern, such as catchments, river basins, hydrology and land-use. The unit then progresses on to the basic microbiological aspects of the environment and how we can use these to our benefit. Students will begin to learn how to integrate information from related disciplines to understand relationships between the sciences and the environment and to produce solutions to environmental problems. This will be a continuing theme throughout the Environmental Science program.

Bachelor of Science (Environmental) Intermediate units of study

You must complete both Environmental Science Intermediate units of study (ENVI 2001 and ENVI 2002).

ENVI 2001 Biological Environmental Processes

8 credit points. **Session:** 1. **Classes:** 3 lec, 1 prac & 2 tut/wk, field excursions. **Prerequisite:** ENVI 1001 and ENVI 1002. **Assessment:** One 2hr exam, prac assignments.

NB: This unit of study is available to students in the Bachelor of Science (Environmental) only.

ENVI 2002 Physical Environmental Processes

8 credit points. **Session:** 2. **Classes:** 3 lec, 2 tut & 1 prac/wk, field excursions. **Prerequisite:** ENVI 1001 and ENVI 1002. **Assessment:** One 2hr exam, prac assignments.

NB: This unit of study is available to students in the Bachelor of Science (Environmental) only.

Environmental Science 2 provides the integrated framework for understanding the natural environment in terms of its chemical, physical, biological, ecological and earth-scientific components. This is used to identify and understand the impact of humans on our environments at scales from local rivers to global patterns of climate. ENVI 2001 concentrates on the biological, microbiological and earth science aspects of natural processes within the environment as well as how these are impacted upon

by human activities. ENVI 2002 considers the physical and chemical aspects, from climate and hydrology through to geomorphology to pollution. Emphasis is on practical measurement and interpretation to provide professional training in the use of numerous relevant disciplines.

Bachelor of Science (Environmental) Senior units of study

You must complete both Environmental Science Senior units of study (ENVI 3001 and 3002). Environmental Science 3 builds on foundations laid by the Intermediate Environmental Science units of study to provide the integration of scientific and other aspects of environmental problem-solving and professional responsibilities.

ENVI 3001 Environmental Law and Planning

12 credit points. **Session:** 1. **Classes:** 8 lec/wk; 3 field-units.

Prerequisite: ENVI 2001 and 2002. **Assessment:** Continual assessment throughout the semester by essay, report and prac assignments.

NB: This unit of study is available to students in the Bachelor of Science (Environmental) and the Bachelor of Science (Marine Science) only.

ENVI 3001 covers topics and issues in environmental ethics, law, resource economics, planning, regulation and management for the built and natural environments, and energy production and alternate processes. This is an intensive unit of study that examines issues not normally considered 'environmental' but which impact to a large degree on how we interact with our environment.

ENVI 3002 Environmental Assessment

12 credit points. **Session:** 2. **Classes:** 8 lec & 4 prac/tut/wk.

Prerequisite: ENVI 2001 and 2002. **Assessment:** Continual assessment throughout the semester by essay, report and prac assignments.

NB: This unit of study is available to students in the Bachelor of Science (Environmental) and the Bachelor of Science (Marine Science) only.

ENVI 3002 covers all issues concerning environmental impact assessment, including topics in conservation, risk assessment and ecotoxicology, as well as providing an examination of the logical structure of environmental sampling. The latter introduces the theory of sampling design for measurements at different scales of biological systems, statistical analysis of data and the interpretation of magnitude and scale of environmental disturbances, with topics including the nature of variables, univariate and multivariate measures, correlation of environmental variables and interpretation of data.

ENVI 3003 Law and the Environment

4 credit points. **Session:** 1. **Classes:** 3 lec/wk. **Prerequisite:** Entry by permission of Course Coordinator only. **Prohibition:** ENVI 3001.

Assessment: Continual throughout semester.

NB: Department permission required for enrolment. This unit of study is available to Study Abroad students and students enrolled in the Bachelor of Science (Marine Science), Bachelor of Resource Economics and Bachelor of Land & Water Science only.

This unit encompasses the core material of ENVI 3001 and covers topics in environmental ethics, law, planning, regulation and management for the built and natural environments.

ENVI 3004 Environmental Impact Assessment

4 credit points. **Session:** 2. **Classes:** 3 lec/wk. **Prerequisite:** Entry by permission of Course Coordinator only. **Prohibition:** ENVI 3002.

Assessment: Continual throughout semester.

NB: Department permission required for enrolment. This unit of study is available to Study Abroad students and students enrolled in the Bachelor of Science (Marine Science), Bachelor of Resource Economics and Bachelor of Land & Water Science only.

This unit encompasses the core material provided in ENVI 3002 and covers topics in environmental impact and risk assessment.

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 Financial Mathematics 1 (MATH 2033/2933) and Financial Mathematics 2 (MATH 3015/3933) 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 offers units of study in the three discipline areas of Geography, Geology and Geophysics. Students may take a major in any one of these three disciplines. The School 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. Students who wish to obtain additional advice about the units of study described below should approach departmental advisors during the enrolment week or the unit coordinators during semester. Further information is available on the Internet at www.es.usyd.edu.au, as well as in the Geosciences' student handbook which is available from the School's administrative offices.

Geography

Geography is a varied and versatile area of study covering a broad spectrum of knowledge. It was once concerned principally with the description of the earth's surface, but modern geography now embraces society's relationship with the earth within a scientific and highly-structured framework. Students can enrol in units of study that focus on physical, human or environmental geography – the three main sub-disciplines of Geography. Physical geography deals with phenomena such as landforms, plants and soil as elements of physical landscapes and the processes that control the formation and distribution of these phenomena. Human geography investigates the variety of spatial distributions of human populations as well as the social and economic issues they confront. Environmental geography is concerned with impacts of human land-uses and resource exploitation on the natural physical environment and seeks to evaluate the relative contributions of human impacts and natural processes in environmental change.

Geography Junior units of study

Geography offers two Junior units of study: Geography 1001 in the February Semester and Geography 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. Morning lectures are repeated in the afternoon.

GEOG 1001 Biophysical Environments

6 credit points. Assoc. Prof. Short, Dr Gale. **Session:** 1. **Classes:** 3 lec & 3hr prac/wk. **Assessment:** One 2hr exam, 1500w report, prac assignments.

This unit of study provides an introduction to the earth's biophysical environments. 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.

Practical: Field excursion one half day/sem

GEOG 1002 Human Environments

6 credit points. Prof. Connell & Dr W Pritchard. **Session:** 2. **Classes:** 3 lec & 3hr prac/wk. **Assessment:** One 2hr exam, 2000w essay, prac exercises.

Human Environments develops understanding of processes and consequences of interactions among people and between people and their environments. Questions, challenges and issues that stem from the relationships and transformations in the built, natural, social and spatial environments are introduced and scrutinised. Social structures and development are explored and principles of human geography are presented through study of the location and distribution of economic activities with special reference to Australia and the Asia-Pacific region.

Geography Intermediate units of study

Eight Intermediate Geography units of study are offered in the subject's three sub-disciplines. The streams and their units of study are:

Physical Geography and Geomorphology – Geography 2001, 2002, 2302 and 2303

Environmental – Geography 2101 and 2102

Human – Geography 2201 and 2202

Each unit of study consists lectures and assigned work (which may consist of tutorials, practicals, individual course work and/or field work). All students are required to attend compulsory one- to three-day field excursions associated with each unit of study that are held within the semester. Some units of study hold two to three such excursions.

Students who have completed the Junior Geography and Junior Environmental Science prerequisites may elect to do units of study in one or two of these streams:

To complete Intermediate Geography, a student is advised to select at least two Intermediate Geography units of study. A student would normally select two sequential units of study from one of the three streams (Physical Geography and Geomorphology, Environmental, Human). However, students may vary the sequence of units of study between streams and options within units of study, with the permission of the Head of Department. Not all units of study may be offered in any given year.

GEOG 2001 Processes in Geomorphology

8 credit points. Associate Professor D Dragovich and others. **Session:** 1. **Classes:** 3 lec & 5 prac or field/wk. **Prerequisite:** 36 credit points of Junior units of study, including GEOG 1001 or ENVI 1001 or 1002. Students enrolled in the Bachelor of Resource Economics should have 36 credit points from Junior units of study in Biology, Chemistry and Mathematics. **Assessment:** One 2hr exam and 1500w essay or prac papers.

This unit of study is concerned with the geomorphology of global environments, as mega-landforms and the processes that shape them. The major focus is on continental-scale landforms and the long term processes which shape the physical platform which is the home, workplace and exploitation surface of humankind.

GEOG 2002 Fluvial and Coastal Geography

8 credit points. Dr P Cowell & others. **Session:** 2. **Classes:** 3 lec & 5 prac or field/wk. **Prerequisite:** 36 credit points of Junior units of study, including GEOG 1001 or ENVI 1001 or 1002. Students enrolled in the Bachelor of Resource Economics should have 36 credit points from Junior units of study in Biology, Chemistry and Mathematics. **Prohibition:** May not be counted with GEOG 2302 or 2303 or MARS 2002. **Assessment:** One 2hr exam, 1500w essay or prac reports.

NB: Other Information: As for GEOG 2001

Physical Geography stream: This unit of study focuses not on global, but meso- and micro-scales on two of the major morphostratigraphic systems, namely fluvial and coastal

geomorphology. Both provide introductory analyses of rivers and coasts, so fundamental to understanding the physical environments which affect the sustainability of these regions.

GEOG 2101 Environmental Change and Human Response

8 credit points. Associate Professor D Dragovich & Dr Chapman. **Session:** 1. **Classes:** 3 lec & 2 prac & field/wk. **Prerequisite:** 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1001 or 1002. **Assessment:** One 2hr exam, 2000w essay or prac reports.

NB: Other Information: As for GEOG 2001

Environmental Geography stream: 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 largely caused by humans, but in other cases humans are helpless before the uncontrollable forces of nature. Environmental change is explored in all of these categories. Consideration is given to land degradation problems such as soil erosion and desertification, and how humans are both implicated in these problems and respond to them. We also study environmental hazards like floods and bushfires, and how we may (or in some cases may not) effectively manage them. Included in the unit of study will be a variety of techniques for the analysis of environmental problems.

GEOG 2102 Resource and Environmental Management

8 credit points. Dr Hirsch and Dr McManus. **Session:** 2. **Classes:** 3 lec & 5hr tut or prac or fieldwork/wk. **Prerequisite:** 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1001 or 1002. **Assessment:** One 2hr exam, 2000w essay, tut papers, prac and fieldwork reports/s.

NB: Other Information: As for GEOG 2001

Environmental Geography stream: This unit of study forms part of the Environmental Geography and Resource Management stream which 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, as appropriate, 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.

GEOG 2201 Cultural and Economic Geography

8 credit points. Prof Connell, Dr W Pritchard. **Session:** 1. **Classes:** 3 lec & 5hr tut or prac or fieldwork/wk. **Prerequisite:** 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1002 or ECOP 1001 or 1002. **Assessment:** One 2hr exam, two 2000w essays, tut papers, prac and fieldwork reports.

NB: Other Information: As for GEOG 2001

Human Geography stream: This unit of study exams the spatial processes that underpin cultural and economic activity. Two themes dominate: firstly cultural and economic activities are defined by multiple sets of spatial relations; and secondly, that economic and cultural processes and practices are by necessity inter-related. These arguments provide the entry points for debate on the social construction of economic and cultural spaces, with specific attention to topics including urban change and gentrification; ethnicity; the geographies of global financial flows; and the development of industrial clusters. The unit also develops arguments relating to the economic and cultural geographies of food production and consumption.

GEOG 2202 Urban and Political Geography

8 credit points. Lecturers to be advised. **Session:** 2. **Classes:** 3 lec & 5hr tut or prac or fieldwork/wk. **Prerequisite:** 36 credit points of Junior units of study, including GEOG 1001 or 1002 or ENVI 1002 or ECOP 1001 or 1002. **Assessment:** One 2hr exam, two 2000w essays, tut papers, prac and fieldwork reports.

NB: Other Information: As for GEOG 2001.

Human Geography stream: This unit of study starts by examining urban processes and problems in developed and developing countries. For developed countries, the focus is on urban economies, suburbs, urban politics, and the nature of the built environment. For developing countries, urbanisation trends and the ideologies of planning policies are considered. The unit of study considers the political constructions of space, with specific reference to issues of sovereignty and the changing character of

political borders and divisions. Topics include diasporas, refugee policies, the role of culture in nationalism, and global geopolitical trends.

GEOG 2302 Fluvial Geomorphology

6 credit points. Lecturers to be advised. **Session:** 2. **Classes:** 3 lec, 3 prac & 1 tut/wk. **Prerequisite:** GEOG 2001 or 36 credit points of Junior units of study including GEOG 1001 or ENVI 1001 or 1002. Students in the Bachelor of Resource Economics should have 36 credit points of Junior units of study in Biology, Chemistry and Mathematics. **Prohibition:** May not be counted with GEOG 2002 or 2303. **Assessment:** One 2hr exam, one essay, one project.

NB: Other Information: as for GEOG 2001.

This unit will provide an introduction to fluvial processes and morphology, with particular reference to the Australian environment. The unit will take a holistic view of the fluvial system, emphasising that stream characteristics are an outcome of interrelated variables operating at different scales within the catchment. It will include a description of catchment characteristics; water and sediment delivery, conveyance and influence on channel morphology; floods and floodplains; natural and anthropogenic channel change; groundwater issues; and estuarine sedimentation.

GEOG 2303 Fluvial and Groundwater Geomorphology

8 credit points. Dr M. Neave, Dr R.W. Vervoort. **Session:** 2. **Classes:** 3 lec, 3 prac & 2 fieldwork/wk. **Prerequisite:** GEOG 2001 or 36 credit points of Junior study including GEOG 1001 or ENVI 1001 or 1002. Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology, Chemistry and Mathematics. **Prohibition:** May not be counted with GEOG 2002 or GEOG 2302. **Assessment:** One 2hr theory exam, 1 essay, 2 projects.

NB: Other Information: as for GEOG 2001

This course will provide an introduction to fluvial processes, morphology and groundwater hydrology, with particular reference to the Australian environment. The course will take a holistic view of the fluvial system, emphasising that stream characteristics are the result of many factors operating at different scales across the entire catchment. An introduction in groundwater hydrology will introduce aquifer flow and water quality concepts as well as the interaction between aquifers and the over- and underlying strata. A modelling project using MODFLOW will be given to study the effects of a contamination on a groundwater supply.

Geography Senior units of study

Geography offers seven Senior units of study in 3 streams – namely geomorphology, environmental geography and human geography. The streams and their units of study are:

Geomorphology – Geography 3001 and 3002

Environmental – Geography 3101 and 3102

Human – Geography 3201, 3202 and 3302

Each unit of study consists of three lectures and the equivalent of nine hours assigned work (which may consist of tutorials, practicals, individual course work and/or field work) per week. All students are required to attend compulsory one- to three-day field excursions associated with each unit of study which are held within the semester. Some units of study hold two to three such excursions.

Students who have completed the Intermediate Geography prerequisites may elect to do units of study in one or two of these streams.

To complete Senior Geography, a student must select two units of study. Each unit of study is 12 credit points. A student would normally select two sequential units of study from one of the three streams (Geomorphology, Environmental and Human). However, students may vary the sequence of units of study between streams and options within units of study with the permission of the Head of Department. Not all units of study may be offered in any given year.

Geography Senior unit of study Combinations

48 credit points

Students may elect to do four Senior units of study (12 credit points each) in the one year, giving a total of 48 credit points. Such students will be required to enrol in two of the Senior Geography Streams, Geomorphology, Environmental or Human. Those who have passed at least two of the Senior Geography units of study at Honours level may proceed to an appropriate unit of study in Geography Honours. Those choosing physical honours topics must have majored in the Geomorphology stream units of study.

GEOG 3002 Environmental Geomorphology

12 credit points. Assoc. Prof. D Dragovich, Dr S Gale. **Session:** 2. **Classes:** 3 lec & 6 prac or field/wk. **Prerequisite:** GEOG (2001 or 2002 or 2101 or 2302 or 2303). **Assessment:** One 2hr exam, two 1500w essays, prac and 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.

GEOG 3101 Catchment Management

12 credit points. Lecturers to be advised. **Session:** 1. **Classes:** 3 lec & 1 tut & 8 prac or field/wk. **Prerequisite:** GEOG 2001 or 2002 or 2101 or 2302 or 2303 and GEOG 2102 or 2201 or 2202. **Assessment:** One 2hr exam, two 1500w essays.

Senior Environmental stream

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.

GEOG 3201 Asia-Pacific Field School

12 credit points. Prof. Connell. **Session:** 1. **Classes:** 28 lectures and 100 hours of tuts, prac and fieldwork. **Prerequisite:** GEOG 2101 or 2102 or 2201 or 2202. **Assessment:** One 2hr exam, two 2000w essays, tut papers, prac and fieldwork reports.

The unit of study builds on key human geographic principles from the sub-disciplines of environmental, social, cultural and economic geography. The unit of study constitutes a field work school run over a five-week period in January-February, prior to the commencement of the semester. The Field School is held in Vanuatu and Fiji. It is run in close association with the University of the South Pacific, whose staff and students participate in some components of the course. It focuses on environmental and development issues in the context of rapid change, especially in the urban context.

GEOG 3202 Sustainable Cities and Resource Regions

12 credit points. Dr P McManus, A/Prof Hirsch. **Session:** 1. **Classes:** 3 lec & 9 hrs tut or prac or fieldwork or indiv. research/wk. **Prerequisite:** GEOG (2102 or 2201 or 2202). **Assessment:** One 2hr exam, two 2000w essays, tut papers, prac and fieldwork report/s.

Senior Social and Economic Geography stream. This unit of study on urban and regional sustainability analysis involves an integrated series of lectures, practical work and field visits. It develops urban geography and environmental management themes introduced in second year geography, providing a set of conceptual and analytical tools for examining the social and environmental sustainability of ways in which we manage urban space and natural resources in their regional context. The first part of the unit focuses on themes in urban sustainability, including topics such as utopian visions for cities, urban history, ecological footprint analysis, bioregionalism, transport options, urban form and urban policy with reference to sustainable futures. The second part of the unit examines rural resource regions, examining topics such as indigenous rights, resource peripheries, competing resource values, regional impacts and multipliers, with reference to examples including forestry, dams, mining and fisheries. The unit of study draws on Australian and international examples. Practical skills include the use of GIS and its applications in urban and regional studies.

GEOG 3203 Globalisation and Regions in Transition

12 credit points. Dr Pritchard. **Session:** 2. **Classes:** 2 x 2hr lec, 1 tut & 3hr prac/wk & 2 days field work. **Prerequisite:** GEOG (2102 or 2201 or 2202). **Assessment:** One 2hr exam, 2 x 2,500w essay & prac reports.

Senior Human Geography Stream. The aim of this unit of study is to examine theoretical debates and empirical evidence relating to spatial differences in the modern world. Issues to be considered include the role of globalisation as both an agent of change and a point of challenge; contestation over the future of

the nation state, and the roles of geographical scale as an organizing vehicle for social and economic processes. The unit will emphasize how these issues are being manifested both in Australia (with particular reference to Sydney) and in the Asia-Pacific. Practical classes will focus on the development of research consultancy skills, and will involve students preparing material for in-class presentations.

Geography Honours

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**Geology 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. Prof P Davies (Coordinator). **Session:** 1. **Classes:** 3 lec & prac or tut/wk. **Assumed knowledge:** No previous knowledge of Geology assumed. **Prohibition:** GEOL 1501. **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 and an assessment made of our own impact on the Earth together with the role of geologists in protecting and monitoring the environment. Students will learn techniques and types of observations 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. Dr Tom Hubble (Coordinator). **Session:** 2. **Classes:** 3 lec & prac or tut/wk. **Assumed knowledge:** No previous knowledge of Geology assumed. **Prohibition:** GEOL 1501. **Assessment:** One 2hr exam, class and field work.

The aim of this unit of study is to examine the chemical and physical processes involved in mineral formation, the interior of the Earth, 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. 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 the Hunter Valley. Students will be required to pay hostel accommodation for one night on the Hunter Valley excursion.

Geology and Geophysics Intermediate units of study

Intermediate and Senior Geology units of study build on the preceding junior units of study to present a balanced and wide ranging coverage of resource geology, environmental geology and marine geology. Geology and Geophysics offers four Intermediate units of study: Geology 2001 and Geology 2004 in the February Semester and Geology 2003 and 2203 in the July Semester. Each unit of study consists lectures and assigned work (which may consist of tutorials, practicals, individual course

work and/or field work). All students taking Geology 2001 and 2203 are required to attend compulsory field excursions that are held within the semester.

GEOL 2001 Geological Hazards and Solutions

8 credit points. Dr D Wyman. **Session:** 1. **Classes:** 4 lec & 2 prac or tut/wk. **Prerequisite:** GEOL 1002 or ENVI 1001. A candidate who has completed 24 credit points of Junior units of study in Physics and Chemistry and who has not taken Junior Geology or ENVI 1001, may apply under section 1 (4) for permission to enrol in GEOL 2001.

Prohibition: CIVL 2409. **Assessment:** Two 2hr theory, lab exam, class work, 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 in Asia, Australia, and the South-West Pacific. The two main topics covered in the unit are a) the description, analysis, and remediation of sediments polluted by agricultural, industrial and urban practices; and b) the strategies used to identify, predict and mitigate the hazards associated with volcanism and earthquakes. The unit of study has an emphasis on developing a thorough knowledge of the analytical techniques and methods applied to evaluating the hazards associated with these phenomena as well as providing students with the fundamental geochemical and geological knowledge required to interpret the data collected during these investigations. In addition to lectures and practicals students are required to attend a compulsory field trip and may choose between two alternative field trips, either a) the New Zealand Field Trip which gives students a first-hand experience of volcanism and seismic activity at an active plate margin; or b) the Rivers and Estuaries of Sydney which introduces students to the sampling and mapping techniques used to evaluate geochemical pollution and remediation strategies.

GEOL 2003 Fossils and Time

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 prac or tut/wk. **Prerequisite:** 24 credit points of Science units of study. **Prohibition:** CIVL 2409. **Assessment:** One 2hr theory, class work.

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.

GEOL 2004 Environmental Geology and Climate Change

4 credit points. Dr Hughes and Prof Davies. **Session:** 1. **Classes:** 3 lec/wk & fieldwork. **Prerequisite:** 24 credit points of Science units of study. **Assessment:** One 2hr exam and assignments.

The Earth sciences provide an essential framework for understanding the environmental changes that arise from short- and

long-term geological processes. This unit of study introduces students

to several geological phenomena that can impact detrimentally on

society. 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 2202 Geological Exploration & Resource Mgmt

8 credit points. Dr Geoff Clarke. **Session:** 2. **Classes:** 4 lec & 2 prac/wk. **Qualifier:** GEOL 2001. **Prohibition:** May not be counted with GEOL (2002 or 2005). **Assessment:** One 2 hr exam, practical exercises, assignment.

This unit of study shall explore the geologic setting of Earth's natural resources, issues of equity in their extraction and use, and the environmental management of mining sites. An understanding of the common geological environments is used as

a basis to explore the basic physical, chemical and biological processes that formed sedimentary and metamorphic rocks, petroleum, coal and ore deposits in Australia. This unit of study also introduces students to geophysical techniques used in resource exploration and the economics of resource extraction. It will involve a compulsory six day excursion to the Canberra area to study geological objects in the field, including an appraisal of environmental contamination induced by mining activities and appropriate remedial actions.

Geology and Geophysics Senior units of study

To complete a major in Geology or in Geophysics students are required to complete a minimum of 24 credit points from the relevant subject area. Each unit of study consists of three lectures and the equivalent of nine hours assigned work per week, which may comprise practical classes, seminars, individual course work and/or fieldwork. Some units of study have compulsory field excursions, commonly held in semester breaks.

Students who desire a general background in Geology and/or Geophysics for a career in government, education, resources law, commodity economics and management, or environmental earth science can construct their own stream consisting of any grouping of units of study, within the limits of the timetable. The following suggestions focus seven streams that target vocational training for graduates seeking employment in: Mineral Exploration; Petroleum Exploration; Exploration/Mining, Engineering and Environmental Geophysics; Marine Geology, Marine Geophysics; Environmental Geology and Geocomputing.

Recommended Geology Streams:

Mineral Exploration: GEOS 3003, GEOS 3004, GEOS 3006, GEOS 3007, GEOS 3008

Petroleum Exploration: GEOS 3004, MARS 3005, MARS 3006, MARS 3008, MARS 3106

Marine Geology: MARS 3105, MARS 3005, MARS 3006, MARS 3008, MARS 3106

Environmental Geology: GEOS 3005, GEOS 3007, MARS 3105, MARS 3005, MARS 3008

Geocomputing – Geology: GEOS 3003, GEOS 3006, GEOS 3007, MARS 3105, MARS 3005, MARS 3006

Recommended Geophysics Streams:

Exploration, Mining, Engineering and Environmental Geophysics: GEOS 3003, GEOS 3004, GEOS 3008, MARS 3105, MARS 3005, MARS 3006

Marine Geophysics: MARS 3105, MARS 3106, MARS 3005, MARS 3006, MARS 3008

Geocomputing – geophysics: GEOS 3003, GEOS 3004, GEOS 3007, MARS 3105, MARS 3005, MARS 3006

To complete Senior Geology & Geophysics, a student must complete a minimum of four units of study in either Geology or Geophysics (24 credit points – see Table 1 of the Faculty of Science Handbook for more detail). Students may elect to complete up to eight Senior units of study (6 credit points each) in one year, giving a total of 48 credit points.

Students who have passed at least four of the Senior units of study in Geology or Geophysics with a credit average or above may proceed to the appropriate unit of study in Geology or Geophysics Honours.

GEOS 3003 Structural Geology: The Dynamic Crust

6 credit points. Dr Patrice Rey. **Session:** 1. **Classes:** (weeks 7–13) 12 hrs of lec & pracs/wk. **Prerequisite:** GEOL 2002 or CIVL 2409.

Prohibition: May not be counted with GEOL 3101. **Assessment:** 2 hr theory exams, class work and E-report.

The Earth's crust hosts mineral and energy resources that have sustained our civilisation over the past five thousand years. These resources are the by-products of dynamic and thermal processes that have affected the continental lithosphere since its formation in the Archaean. This unit focuses on the understanding the thermal and mechanical aspects of lithospheric deformation. The main headlines of this module include: 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; Thermo-mechanics of sedimentary basins; Thermo-mechanics of orogenesis; 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. Practicals focus on designing a number of electronic reports on specific topics. These reports will be posted

on the Internet to be available to all students. Each report will be the subject of a computer-based oral presentation

GEOS 3004 Geophysics, Imaging, Oil/Ore Production

6 credit points. Prof Iain Mason. **Session:** 2. **Classes:** (weeks 1–7) 12 hrs of lects & pracs/wk. **Prerequisite:** 16 credit points of Intermediate Science units of study or CIVL 2409. **Prohibition:** May not be counted with GEOP 3202. **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 aeromagnetism; 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 3005 Regolith-Sediment Geochemistry

6 credit points. Dr Gavin Birch. **Session:** 1. **Classes:** (weeks 7–13) 12 hrs of lects & pracs/wk. **Prerequisite:** 16 credit points of Intermediate Science units of study or CIVL 2409. **Assessment:** 2 hr theory exams, class work. This is a problem-based course where we follow contaminants from their primary sources through aquatic pathways and assess their effects on the adjacent receiving basin. Theoretical and conceptual information gained in lectures will be used to trace contaminants in the field and determine major processes controlling chemical behaviour. The course is underpinned by a GIS data analysis of relevant physical attributes of Port Jackson and its sub-catchments, which determine contaminant distributions. Remediation strategies will be considered. The course also examines the widespread development of deeply weathered Regolith terranes in Australia. Weathering processes and Regolith components will be examined in the context of long-term climate variation. Links between bedrock weathering and groundwater salinity will be evaluated along with resource management strategies.

GEOS 3006 Mineral Deposits & Spacial Data Analysis

6 credit points. Dr Derek Wyman. **Session:** 2. **Classes:** (weeks 7–13) 12 hrs of lects & pracs/wk, field excursion. **Prerequisite:** 16 credit points of Intermediate Science units of study or CIVL 2409. **Prohibition:** May not be counted with GEOL 3103. **Assessment:** 2 hr theory exams, class work and field reports. Mineral deposits will be examined in terms of their spatial distribution and related exploration strategies, their links to igneous rocks and hydrothermal fluids, and the impact of ore-forming processes on mines and 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 and ores including base metals, precious metals, high-tech commodities and gemstones. An integrated approach will relate tectonic processes through to time to the formation of mineral provinces, and the economic and environmental viability of ore extraction and processing. 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. The excursion will include visits to active and historic mining and ore-processing sites in NSW.

GEOS 3007 Remote Sensing: Imaging the Earth

6 credit points. Dr Geoff Clarke. **Session:** 1. **Classes:** (weeks 1–7) 12 hrs of lects & pracs/wk. **Prerequisite:** 16 credit points of Intermediate Science units of study or CIVL 2409. **Prohibition:** May not be counted with GEOL 3101. **Assessment:** Practical work, a 2-hour computer-based examination and an assignment. This unit of study provides a comprehensive introduction to the computational manipulation and application of imaging techniques commonly used in the Earth Sciences, from the microscopic to macroscopic level. It includes an introduction to image analysis using mineral textures in common igneous and metamorphic rocks, and how this analysis can be used to understand the processes controlling their textural development. The application and interpretation of remote sensing techniques will also be covered in computer-based practical exercises that use a mixture of Landsat thematic mapper, airborne radiometric and magnetic databases. The application of processed images in

mineral exploration and tectonic analysis will be covered through integrated lectures and laboratory exercises.

GEOS 3008 Field Geology and Geophysics

6 credit points. Dr Geoff Clarke, Dr Patrice Rey, Dr Dietmar Muller. **Session:** 2. **Classes:** (weeks 1–7) 14 days of field work. **Prerequisite:** GEOL 2002. **Prohibition:** May not be counted with GEOL 3103. **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.

Geology Honours

Dr Derek Wyman

Offered: February and July.

Suitably qualified students may take Honours in Geology. They are required to undertake a research project under the direction of a supervisor, submit a thesis embodying the results of the investigation and undertake such coursework as may be prescribed.

Students not eligible to take Honours may be given permission to enrol in the Graduate Diploma in Science.

Further details are available from the Head of School.

Geophysics Honours

Geophysics Honours

Offered: February and July

Suitably qualified students may take Honours in Geophysics. They are required to undertake a research project under the direction of a supervisor, submit a thesis embodying the results of the investigation and undertake such coursework as may be prescribed.

Students not eligible to take Honours may be given permission to enrol in the Graduate Diploma in Science.

Further details are available from the Head of School.

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 stand back from the specialised concerns of their other subjects and gain some perspective on what science is, how it came to acquire 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. However, 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 Web site www.usyd.edu.au/hps/.

The unit for History and Philosophy of Science does not have first year units of study. 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 2001 What Is This Thing Called Science?

4 credit points. Dr Rachel Ankeny. **Session:** 2. **Classes:** 2 lec & 2 tut/wk. **Prerequisite:** 24 credit points of Junior units of study. **Assessment:** Two in-class tests, tutorial assignments.

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.

Textbooks

Chalmers, A. What is this thing called Science? (3rd ed) and Course Reader.

HPSC 2002 The Birth of Modern Science

4 credit points. Dr Ofer Gal. **Session:** 1, Summer. **Classes:** 2 lec & 2 tut/wk. **Prerequisite:** 24 credit points of Junior units of study. **Assessment:** Two in-class tests, tutorial assignments.

An introduction to the 'scientific revolution' of the seventeenth century, 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 and 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 BLibStud must take 24 credit points from the following Senior units of study. HPSC 3102 is available to Bachelor of Medical Science students only.

HPSC 3002 History of Biological/Medical Sciences

6 credit points. Dr Hans Pols. **Session:** 2. **Classes:** 2 lec, 2 tut/wk. **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Assessment:** Short essays, presentation, tutorial work, final essay.

Examines some of the major episodes in the social and scientific history of the biological and biomedical sciences.

Textbooks

Course reader.

HPSC 3005 History/Philosophy of Medicine

4 credit points. Dr Susan Hardy. **Session:** 1. **Classes:** 1 lec & 1 tut/wk. **Assumed knowledge:** Assumed knowledge of HPSC (2001 and 2002). **Prerequisite:** At least 24 credit points of Intermediate or Senior units of study. **Assessment:** Take home tests, tutorial work, essays.

An introduction to some of the major episodes in the social and scientific history of medicine, from ancient Greece to the present day.

Textbooks

Course reader.

HPSC 3007 Science and Ethics

4 credit points. Dr Rachel Ankeny. **Session:** 1. **Classes:** 1 lec, 1 tut/wk. **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Assessment:** Short essays, tutorial work, take home tests.

Focuses on the ethical issues arising in science. Students have the chance to compare the theories studied to the experience of working scientists.

Textbooks

Course reader

HPSC 3010 History of the Human Sciences

4 credit points. Dr Hans Pols. **Session:** 1. **Classes:** 1 lec, 1 tut/week. **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Assessment:** Take home tests, tutorial work.

Examines the origins and the development of the human sciences, such as anthropology, psychology, sociology, and psychiatry. Topics covered in this course are: the function of the human sciences in their social and political contexts, the development of investigative practices, the development of research methodologies, and the influence of the human sciences on everyday life.

Textbooks

Course reader

HPSC 3015 History and Philosophy of Physics

6 credit points. Jason Grossman. **Session:** 1. **Classes:** 2 lec & 2 tut/wk. Individual student consultation as required. **Assumed knowledge:** HPSC (2001 and 2002). **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Prohibition:** HPSC 3105. **Assessment:** Take-home tests, short essays, tutorial participation.

This unit explores the historical and philosophical development of modern physics, from its 19th-century beginnings to the head-boggling philosophical problems of relativity, quantum mechanics and cosmology. Particular attention is paid to times when physicists have had to make philosophical choices in order to decide between competing ways of describing the world.

Textbooks

Course reader

HPSC 3016 History and Philosophy of Mathematics

6 credit points. Ofer Gal. **Session:** 2. **Classes:** 2 lec & 2 tut/wk. Individual student consultation as required. **Assumed knowledge:** HPSC (2001 and 2002). **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Prohibition:** HPSC (3001 or 3106). **Assessment:** Take-home tests, short essays, tutorial participation.

This unit explores the historical and philosophical development of mathematics, with particular emphasis on Galileo and the 17th-century mathematical revolution in physics. In addition to seeing how mathematics has developed, we will look at the changing philosophical and social context of that development.

Textbooks

Course reader

HPSC 3021 Philosophy and Sociology of Biology

6 credit points. Jason Grossman. **Session:** 2. **Classes:** 2 lec, 2 tut / week. **Assumed knowledge:** HPSC 2001 and HPSC 2002. **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Prohibition:** HPSC 3103. **Assessment:** Essays, take home tests, tutorial assessment.

An examination of scientists' varied concepts of the gene over the last hundred years, the extent to which those concepts were motivated by ideas external to biology, and the consequences of those concepts, both directly within biology and in the broader scheme of things, including the interactions between theories of inheritance and the social uses to which scientific knowledge is put. No previous study of biology is assumed.

Textbooks

Course reader, and Richard Lewontin (1993), 'The Doctrine of DNA', London: Penguin. Also published under the title 'Biology as Ideology'.

HPSC 3022 Science and Society

6 credit points. Hans Pols. **Session:** 1. **Classes:** 2 lec, 2 tut/week. **Assumed knowledge:** HPSC 2001 and HPSC 2002. **Prerequisite:** HPSC 2001 and HPSC 2002 OR a Credit or above in either HPSC 2001 or HPSC 2002 and at least 24 credit points of Intermediate or Senior units of study. **Prohibition:** HPSC 3003. **Assessment:** Tutorial papers (2,000 words total), fieldwork report (1,500 words), 2,500 word essay, presentation.

The sociology of science analyses the place and function of science in society, the relations between science and society, and how scientific communities are formed, maintained, transformed, and disappear. This course provides an overview to the basic approaches within the sociology of science and how these approaches inform and guide current research in history and philosophy of science.

Textbooks

Course reader.

HPSC 3100 Contemporary Issues in HPS

4 credit points. Dr Hans Pols. **Session:** 2. **Classes:** 1 lec, 1 tut/wk. **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Assessment:** Short essays, presentation, tutorial work, final essay.

An examination of one area of the recent literature in the history and philosophy of science.

Textbooks

Course reader

HPSC 3102 History of the Biomedical Sciences

12 credit points. Dr Hans Pols & HPS staff. **Session:** 1, 2. **Classes:** 4 lec, 4 tut & 4 prac/wk. **Prerequisite:** HPSC (2001 and 2002). **Assessment:** Tutorial assignments, project reports, essays and take-home tests. **NB:** Available to Bachelor of Medical Science students only.

An introduction to some of the major episodes in the social and scientific history of biological and medical science.

HPSC 3104 Medicine, Sex and Gender

4 credit points. Dr Alison Bashford (History). **Session:** 2. **Classes:** Seminars 3hr/wk. Individual student consultation as required. **Prerequisite:** HPSC (2001 and 2002) or (Credit or better in HPSC (2001 or 2002) and at least 24 credit points of Intermediate or Senior units of study). **Prohibition:** May not be counted with WMST 2006. **Assessment:** Essays.

Explores the ways biomedicine has shaped our understandings of gender and sexuality and how it is possible to understand biomedicine as a gendered and sexualised enterprise. The unit is organised historically, beginning with the emergence of modern medicine in the eighteenth century.

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 BLibStud with a major in HPS or another relevant area and to students who have satisfied the requirements for the degree of BMedSci 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 4106 Research Project A and HPSC 4107 Research Project B. 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).

HPSC 4101 Philosophy of Science

6 credit points. Jason Grossman. **Session:** 1. **Classes:** One 2hr sem/wk. **Prerequisite:** 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.

This unit explores the relationships between scientific theories and evidence, and the relationships between scientific theories and other scientific theories. Philosophical analyses are compared with examples of actual practice in physical and biological sciences.

Textbooks

Blackburn S. The Oxford Dictionary of Philosophy, and course reader.

HPSC 4102 History of Science

6 credit points. HPS Staff. **Session:** 1, 2. **Classes:** One 2hr sem/wk. **Prerequisite:** 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:** Two essays, seminar participation.

NB: Department permission required for enrolment.

This unit explores major episodes in the history of science as well as introducing students to historiographic methods.

Textbooks

Course reader

HPSC 4103 Sociology of Science

6 credit points. Dr Ofer Gal. **Session:** 2. **Classes:** One 2hr sem/wk. **Prerequisite:** 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.

This course builds upon earlier courses introducing the sociology of science with an exploration of recent approaches in the social studies of scientific knowledge. Specific topics include the 'strong program' sociologists of knowledge and their critique of traditional philosophy of science, the counter-arguments of philosophers, anthropological approaches to science such as ethnomethodology and 'actor-network' theory, and sociology of technology. Students evaluate the approaches by conducting their own research on specific cases.

Textbooks

Course reader

HPSC 4104 Recent Topics in HPS

6 credit points. HPS Staff. **Session:** 1, 2. **Classes:** One 2hr sem/wk. **Prerequisite:** 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:** Two essays, seminar participation.

NB: Department permission required for enrolment.

An examination of one area of the contemporary literature in the history and philosophy of science.

Textbooks

Course reader

HPSC 4105 HPS Research Methods

6 credit points. Dr Ofer Gal. **Session:** 1. **Classes:** One 2hr sem/wk. **Prerequisite:** 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.

An introduction to the research skills of history, philosophy and sociology of science. Students will learn to be conscious of their own introductions of interpretations, arguments and theories into their research and writing through comparative study of different schools in contemporary HPS.

Textbooks

Course reader

HPSC 4106 Research Project A

12 credit points. HPS Staff. **Session:** 1, 2. **Classes:** Weekly individual supervision. **Prerequisite:** Available only to students admitted to HPS Honours and Graduate Diploma in Science (History and Philosophy of Science). **Corequisite:** Must be taken in conjunction with HPSC 4107 Research Project B in the following semester. **Assessment:** Conduct of research tasks as specified by the supervisor.

NB: Department permission required for enrolment.

Research into a topic in history and philosophy of science under the supervision of one or more members of the HPS staff.

HPSC 4107 Research Project B

12 credit points. HPS Staff. **Session:** 1, 2. **Classes:** Weekly individual supervision. **Prerequisite:** Available only to students admitted to HPS Honours and Graduate Diploma in Science (History and Philosophy of Science). **Corequisite:** HPSC 4999 (for Honours students only). **Assessment:** 15000 word thesis.

NB: Department permission required for enrolment.

Production of an original thesis of not more than 15,000 words under the supervision of one or more members of the HPS staff.

HPSC 4999 History & Philosophy of Science Honours

No credit points. **Session:** 1, 2. **Prerequisite:** 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

Dr Helen Briscoe

The Immunology unit of the Department of Medicine administers the Immunobiology Major. The Immunology unit is located in the Centenary Institute, Building 93, Royal Prince Alfred Hospital and Room 424 Blackburn Building DO6. Further information from Dr Helen Briscoe, (phone (02) 9351 7308; email hbriscoe@med.usyd.edu.au) and www.med.usyd.edu.au/medicine/immunology/

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, molecular biology and genetics, microbiology, pathology or physiology. Participants in the Immunobiology major will select an accompanying senior unit according to their particular interest. Concurrent study in these 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 coordinators 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

The Immunology unit of the Department of Medicine offers Introductory Immunology (IMMU 2001) at Intermediate level, Immunology (IMMU 3002) at Senior level and Immunology Honours. The Immunology unit is located in the Centenary Institute, Building 93, Royal Prince Alfred Hospital and Room 424 Blackburn Building DO6. Further information from Dr Helen Briscoe, (phone (02) 9351 7308; email hbriscoe@med.usyd.edu.au) and www.med.usyd.edu.au/medicine/immunology/

IMMU 2001 Introductory Immunology

4 credit points. **Session:** 1. **Classes:** 20hrs lec, 12hrs prac, 20hrs tut/independent study. **Assumed knowledge:** Junior Biology and Junior Chemistry. **Prerequisite:** 24 credit points of Junior units of study from any of the science discipline areas. **Prohibition:** BMED 2506. **Assessment:** One 2hr theory exam (50%), one essay (20%), practical reports and tutorial contributions (30%).

NB: This is a prerequisite unit of study for IMMU 3002. The completion of MBLG (2001 or 2101 or 2901) 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 (10 lectures). This includes the nature of the cells and molecules that recognise antigen and how these cells respond at the cellular and molecular levels. Practical and tutorial sessions will illustrate particular concepts introduced in the lecture program. A further 10 lectures and self-directed learning sessions (directed reading and problem-based learning tutorials) will integrate this fundamental information into studies of mechanisms of host defence against infection, transplantation and pregnancy, and dysfunction of the immune system including allergy, immunodeficiency and autoimmune diseases.

IMMU 3002 Immunology

12 credit points. Dr Helen Briscoe. **Session:** 2. **Classes:** 3 lec, 8 prac & 1 tut/wk. **Assumed knowledge:** Intermediate Biochemistry and Molecular Biology and Genetics. **Prerequisite:** IMMU 2001 and 8 credit points of intermediate units of study from Biochemistry or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology.

Prohibition: May not be counted with BMED 3003. **Assessment:** Two 2hr theory exams.: (50%); essay, practical reports and seminar: (50%).

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study will provide a comprehensive understanding of the components and functions of the immune system at the molecular and cellular levels; the mechanisms of pathological immune processes; immune system dysfunction; and, immunological techniques used in the life sciences in clinical diagnostic and research laboratories. The components of this study unit will be taught by immunologists in the Department of Medicine, with contributions from the Centenary Institute for Cancer Medicine & Cell Biology and other invited experts in the discipline.

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 IMMU 3002 or BMED 3003, will have taken senior study in biochemistry, biology, cell pathology, microbiology or physiology, and, for BSc candidates, gained a Major in Immunobiology, Biochemistry, Biology, Pathology or Physiology. Usually Honours candidates will have an overall SCIWAM of 65+.

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 ISYS) 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 16 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. **Session:** 1, 2, Summer. **Classes:** One 1hr lecture, one 2 hr tutorial, one 3hr practical. **Assumed knowledge:** HSC Mathematics Extension 1. **Prohibition:** May not be counted with SOFT 1901 or COMP (1001 or 1901). **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. **Session:** 1, 2. **Classes:** 1 lec, 2 tut & 3 lab/wk. **Assumed knowledge:** HSC Mathematics Extension 1. **Qualifier:** UAI at least that for acceptance into BSc(Adv) degree program. **Prohibition:** 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. NB. 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. **Session:** 1, 2, Summer. **Classes:** One 1hr lecture, one 2hr tutorial, one 3hr practical. **Qualifier:** SOFT (1001 or 1901) or COMP (1001 or 1901). **Prohibition:** May not be counted with SOFT 1902 or COMP (1002 or 1902). **Assessment:** Written and practical assignments, quizzes, exam.

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. **Session:** 1, 2. **Classes:** 1 lec, 2 tut & 3 lab/wk. **Qualifier:** SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one of these. **Prohibition:** May not be counted with SOFT 1002 or COMP (1002 or 1902). **Assessment:** Written and practical assignments, quizzes, exam.

NB: Department permission required for enrolment in Session 1. An advanced alternative to SOFT 1002; covers material at an advanced and challenging level. See the description of SOFT 1002 for more information.

ISYS 1003 Foundations of Information Technology

6 credit points. **Session:** 1, 2. **Classes:** Two 1hr lectures, one 3hr practical & one 1hr tutorial. **Prohibition:** May not be counted with INFO 1000 or INFS 1000. **Assessment:** Practical assignments, quizzes, tutorial contribution, written 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.

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. There will be major changes to the curriculum in 2005. These will result in a large number of changes to the units listed below explained in full on the School of Information Technologies Web site at www.it.usyd.edu.au/. Students should consult this Web site to assist them in selecting their units.

COMP 2003 Languages and Logic

4 credit points. **Session:** 2. **Classes:** Two 1hr lecture, one 1hr tutorial. **Qualifier:** [SOFT (1002 or 1902) or COMP (1002 or 1902)] and MATH (1004 or 1904 or 2009 or 2011) or ELEC 1101. **Prohibition:** COMP 2903. **Assessment:** Assessment assignments, written exam.

All communication requires a language. People communicate with each other in a natural language such as English; they communicate with computers in a formal language such as Java. This unit of study looks at two important kinds of formal languages (called regular and context-free), and the algorithms,

or automata, that are used to recognise them. On the theoretical side, several ways to represent languages are presented, and their capabilities and limitations discovered; on the practical side, sound and indeed foolproof methods are derived for writing programs to recognise formal languages such as Java. Considerable emphasis is also put on the use of logic (both propositional and first-order), which provides a powerful design tool for hardware implementations of automata.

COMP 2903 Languages and Logic (Advanced)

4 credit points. **Session:** 2. **Classes:** Two 1hr lecture; one 1hr tutorial. **Qualifier:** [SOFT (1002 or 1902) or COMP (1002 or 1902)] and MATH (1004 or 1904 or 2009 or 2011) or ELEC 1101 and Distinction in one COMP, SOFT or MATH unit of study. **Prohibition:** COMP 2003. **Assessment:** Assessment assignments, written exam.

This unit of study is the advanced alternative to COMP 2003. Topics in Languages and Logic are covered at an advanced and more challenging level.

COMP 2111 Algorithms 1

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Qualifier:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Corequisite:** MATH (1004 or 1904 or 2009 or 2011). **Prohibition:** May not be counted with COMP (2811 or 2002 or 2902). **Assessment:** Written assignments and 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 the analysis of algorithms. Commonly used data structures such as lists, stacks, queues, priority queues, search trees, hash tables and graphs are all analysed according to a notion of asymptotic complexity. Design principles such as the greedy strategy, divide and conquer, and dynamic programming are covered, as well as efficient techniques for searching within graphs. There will be a programming project in which students will design an algorithmic solution to a problem, analyse its time complexity, and implement it.

COMP 2811 Algorithms 1 (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Qualifier:** [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. **Corequisite:** MATH (1004 or 1904 or 2009 or 2011). **Prohibition:** May not be counted with COMP (2111 or 2002 or 2902). **Assessment:** Written assignments and exam. An advanced alternative to COMP 2111; covers material at an advanced and challenging level. See the description of COMP 2111 for more information.

INFO 2000 Systems Analysis and Design

4 credit points. **Session:** 1, Summer. **Classes:** Two 1hr lectures, one 1hr tutorial, or one 1hr practical; 1 unscheduled lab work with a CASE tool. **Qualifier:** ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901). **Prohibition:** May not be counted with INFO 2900. **Assessment:** Written and practical assignments + written exam.

The syllabus covers data-centred, process-oriented and object-centred methodologies for requirements analysis and system description to address organisational needs, including the gathering of facts, diagnosis of problems, recommendation of appropriate and feasible solutions. A CASE tool will be used to develop practical skills.

INFO 2900 System Analysis and Design Advanced

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial, or one 1hr practical; 1 unscheduled lab work with a CASE tool. **Qualifier:** ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one INFO, ISYS or SOFT unit. **Prohibition:** May not be counted with INFO 2000. **Assessment:** Written and practical assignments + written exam.

An advanced alternative to INFO 2000; covers material at an advanced and challenging level.

INFO 2005 Database Management, Introductory

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut/wk; 1 unscheduled lab work. **Qualifier:** ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901). **Prohibition:** May not be counted with INFO 2905. **Assessment:** Written and practical assignments plus written exam.

The syllabus covers use of databases through forms and through SQL language; data representation and basic interfaces; good design of tables through normalisation. Use of a variety of data

modelling techniques. A commercial strength PC based database system will be used to develop practical skills.

INFO 2905 Database Management, Introductory (Adv)

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut/wk; 1 unscheduled lab work. **Qualifier:** ISYS 1003 or INFO 1000 or INFS 1000 or [COSC (1001 or 1901) and COSC (1002 or 1902)] or SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one INFO, ISYS or SOFT unit.

Prohibition: May not be counted with INFO 2005. **Assessment:** Written and practical assignments plus written exam.

An advanced alternative to INFO 2005; covers material at an advanced and challenging level.

ISYS 2006 Information Systems in Organisations

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 2hr tutorial. **Assumed knowledge:** Use of basic PC tools such as spreadsheets, Internet, email and word processing software. **Prerequisite:** Credit in one of ISYS 1003 or INFS 1000 or INFO 1000. **Assessment:** One 2hr examination, written assignments.

NB: Enrolment Restriction: Entry is restricted to students who have a credit or better in one of the qualifying units.

This course will provide a comprehensive introduction to some of the critical dimensions of information systems in the context of contemporary organisations. It will introduce the organisational foundations of information systems (IS) and explore the critical roles of IS in shaping the organisation, in competing more effectively in the market place, and as an enabler for information and knowledge sharing. The evolving technological foundations of IS will be reviewed.

Some of the important behavioural aspects of implementing new IS applications and the challenges in managing the resulting organisational transformation will be discussed.

The content will be presented in three modules:

i) Introduction to Information Systems and basic concepts of information, decisions and decision making, and organisations.

ii) Technology of Information Systems

iii) Behavioural, organizational, managerial, and ethical issues in implementing a wide range of Information Systems applications.

ISYS 2007 Distributed Information Systems

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1hr tutorial. **Qualifier:** ISYS 2006 and INFO (2000 or 2900). **Prohibition:** May not be counted with INFO 2007. **Assessment:** One 2hr examination, written assignments.

Distributed Information Systems are systems where processing and/or data storage are distributed across two or more autonomous networked computers. The course approaches DIS from a top down or architectural perspective. It assumes a DIS belongs within an organisation, has multiple users, and is inherently complex being made up from many hundreds of components all subject to frequent change. The course covers the design of DIS, the impact of DIS on organisations, network fundamentals and architectures, the client server models, the integration of application components within the system, the integration of disparate systems within an organisation and between organisations, international issues resulting from systems crossing country boundaries, and the impact of reliability, performance and data protection.

NETS 2008 Computer System Organisation

4 credit points. **Session:** 1. **Classes:** Two 1hr lecture, one 2hr practical. **Qualifier:** SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)]. **Prohibition:** May not be counted with NETS 2908 or COMP (2001 or 2901). **Assessment:** Written assignments and exam.

For most people, a computer-based system provides powerful services. This unit aims to show how the underlying hardware and software components can make this possible. It covers an overview of the main hardware components, such as CPU, memory, storage, peripherals. It also explains the functionality (not the internal details) of the main software necessary to turn a box into a working system, including the operating system, file system, window manager, command processing shell.

The unit provides hands-on experience of some aspects in the administration of a system, including writing scripts to automate repetitive tasks such as installing upgrades, monitoring logs, altering configuration information, and estimating the performance implications of possible changes.

NETS 2908 Computer System Organisation (Adv)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)] and Distinction in one NETS or SOFT unit of study. **Prohibition:** May not be counted with NETS 2008 or COMP (2001 or 2901). **Assessment:** Written assignments and exam.

An advanced alternative to NETS 2008; covers material at an advanced and challenging level. See the description of NETS 2008 for more information.

NETS 2909 Network Organisation

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)]. **Prohibition:** May not be counted with NETS 2909. **Assessment:** Written assignments and exam.

Computer users often take for granted the ability to access information and services from remote computers. This unit aims to show how the underlying hardware and software components can make this possible. It covers the overall structure of a network, including the hardware (LANs, WANs, bridges, switches) and the software (an overview of the OSI layered reference model; description of the functionality of protocols such as TCP/IP, PPP, SLIP, DNS, SNMP, SMTP, HTTP; and the functionality of networked file systems). It introduces the main issues for security in a network, including firewalls and viruses. The unit provides hands-on experience of some aspects in the administration of a network, including writing scripts to detect problems and adjust configurations. There is practice in troubleshooting from the wire-level up to the application level.

NETS 2909 Network Organisation (Adv)

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** SOFT (1001 or 1901) or COMP (1001 or 1901) or [COSC (1001 or 1901) and COSC (1002 or 1902)] and Distinction in one NETS or SOFT unit of study. **Prohibition:** May not be counted with NETS 2009. **Assessment:** Written assignments and exam.

An advanced alternative to NETS 2009; covers material at an advanced and challenging level. See the description of NETS 2009 for more information.

SOFT 2001 Concurrent Programming

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Prohibition:** May not be counted with SOFT 2901. **Assessment:** Written assignments, exam.

There are many sorts of computing infrastructure such as an operating system kernel or network protocol stack or web server, where one activity may start before other activities have finished. This requires the software to interleave the processing from different activities. This software is called 'concurrent' or 'multithreaded', and it requires special programming techniques which are taught in this unit. In particular, there is a need to synchronise the activities when they deal with shared data, using primitives such as semaphores or mutual exclusion locks. Emphasis is also given to a similar 'event-handling' style for writing graphical user interfaces.

SOFT 2901 Concurrent Programming (Adv)

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** 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. **Prohibition:** May not be counted with SOFT 2001. **Assessment:** Written assignments, exam.

An advanced alternative to SOFT 2001; covers material at an advanced and challenging level. See the description of SOFT 2001 for more information.

SOFT 2004 Software Development Methods 1

4 credit points. **Session:** 1, Summer. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Prohibition:** May not be counted with SOFT 2904 or COMP (2004 or 2904). **Assessment:** Written assignments, exam.

In this unit of study we cover elementary methods for developing robust, efficient, and re-usable software. Specific topics include memory management and the pragmatic aspects of implementing data structures such as lists and hash tables. Debugging tools and techniques are discussed and common programming errors are considered along with defensive programming techniques to avoid such errors. Testing regimes, such as regression testing, are introduced. 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.

SOFT 2904 Software Development Methods 1 (Adv)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 2hr practical. **Qualifier:** SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or any SOFT unit at 2000-level or above. **Prohibition:** May not be counted with SOFT 2004 or COMP (2004 or 2904). **Assessment:** Written assignments, exam.

In this unit of study we learn elementary methods for developing robust, efficient, and re-usable software. An advanced alternative to SOFT 2004; covers material at an advanced and challenging level. See the description of SOFT 2004 for more information.

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. There will be major changes to the curriculum in 2005. These will result in a large number of changes to the units listed below explained in full on the School of Information Technologies Web site at www.it.usyd.edu.au/. Students should consult this Web site to assist them in selecting their units.

COMP 3002 Artificial Intelligence

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and COMP (2003 or 2903) and 8 credit points 2000-level MATH and/or STAT and/or ECMT. **Prohibition:** May not be counted with COMP 3902. **Assessment:** Assessment assignments, written exam.

Artificial Intelligence is all about programming computers to perform tasks normally associated with intelligent behaviour. Classical AI programs have played games, proved theorems, discovered patterns in data, planned complex assembly sequences and so on. Most of these activities depend on general or 'weak' methods, primarily search. AI also addresses issues related to the representation and use of the knowledge of human experts. This unit of study will explore topics from selected areas of AI. 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 of study will involve a practical component in which some simple problems are solved using standard AI techniques.

COMP 3902 Artificial Intelligence (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and COMP (2003 or 2903) and 8 credit points 2000-level MATH and/or STAT and/or ECMT and Distinction in a COMP, SOFT or MATH unit at 2000-level or above. **Prohibition:** May not be counted with COMP 3002. **Assessment:** Written and programming assignments; written exam.

An advanced alternative to COMP 3002; covers material at an advanced and challenging level.

COMP 3111 Algorithms 2

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Assumed knowledge:** MATH 2009. **Prerequisite:** COMP (2111 or 2811 or 2002 or 2902) and MATH (1004 or 1904 or 2009 or 2011) and MATH (1005 or 1905). **Prohibition:** May not be counted with COMP (3811 or 3001 or 3901). **Assessment:** Written and practical assignments plus written exam.

This unit continues the investigation of algorithmics begun in COMP 2111 Algorithms 1. Further strategies for solving search and optimisation problems in graphs will be presented, including network flow methods.

The unit will also provide a survey of algorithmic approaches for which traditional analyses are not appropriate. These will include randomisation, online algorithms and competitive analysis, and parallel and distributed algorithms. Problems drawn from such areas as networks, systems and databases will be used to illustrate these algorithmic approaches; for these, the student will design and analyse their correctness and efficiency. An introduction to intractable problems, NP-hardness, and heuristics will also be given.

COMP 3811 Algorithms 2 (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial/lab. **Prerequisite:** COMP (2002 or 2902 or 2111 or 2811) and MATH (1004 or 1904 or 2009 or 2011) and MATH (1005 or 1905). Also Distinction in a COMP, SOFT or MATH intermediate unit. **Prohibition:** COMP (3111 or 3001 or 3901). **Assessment:** Written assignments, written exam.

An advanced alternative to COMP 3111; covers material at an advanced and challenging level.

INFO 3005 Organisational Database Systems

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisite:** INFO (2000 or 2900) and INFO (2005 or 2905). **Prohibition:** May not be counted with INFO 3905 or COMP (3005 or 3905). **Assessment:** Assessment assignments, written exam.

Large organisations store lots of essential data in central repositories from which many users can access it. This unit covers the development of client-server systems which access shared data in a DBMS. It also deals with the responsibilities of the Database Administrator who must organise the physical structures to make access efficient, and who must also guard the integrity of the data.

INFO 3600 Major Development Project

12 credit points. **Session:** 1, 2. **Prerequisite:** 36 crpts from Table III(iv) and/or III(v) of the BIT regulations.

NB: only available to students in BIT

Each student will carry out substantial aspects of a significant software development project. The project should be directed to assisting a client group (preferably one from industry or with strong industry links). The student's contribution could cover one or more aspects such as requirements capture, system design, implementation, change management, upgrades, operation, and/or tuning. Assessment will be based on the quality of the delivered outputs, the effectiveness of the process followed, and the understanding of the way the work fits into the client's goals, as shown in a written report.

INFO 3905 Organisational Database Systems (Adv)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** INFO (2000 or 2900) and INFO (2005 or 2905) and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with COMP (3005 or 3905) or INFO 3005. **Assessment:** Written and programming assignments; written exam.

An advanced alternative to INFO 3005; covers material at an advanced and challenging level.

ISYS 3000 Information Systems Management

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1hr tutorial; 1 unscheduled lab work. **Prerequisite:** ISYS 2007 or INFO 2007.

Assessment: Written and practical assignments and written exam. The syllabus covers applications in business and management, managing information technology, planning and implementation of information systems, end user computing, system approach, strategic planning, operations management, control and audit and quality management, strategic information systems.

ISYS 3012 Project Management and Practice

4 credit points. **Session:** 1. **Classes:** One 2hr lecture, one 1hr practical, 1hr independent study. **Prerequisite:** INFO (2000 or 2900).

Assessment: One 2hr examination, written assignments. This unit of study covers the factors necessary for successful management of system development or enhancement projects. Both technical and behavioural aspects of project management are discussed with a focus on management of development for enterprise-level systems. Major topics include managing the system life cycle, system and database integration issues, network and client-server management, system performance evaluation, managing expectations of team members, cost-effectiveness analysis, and change management.

ISYS 3015 Analytical Methods for IS Professionals

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisite:** [ARIN 1000 or ENGL (1050 or 1005) or LNGS (1001 or 1002 or 1005) or ECOF (1001 or 1002)] and 16 credit points of intermediate or senior units of study, including ISYS 2006 and (ISYS 2007 or INFO 2007) and INFO (2000 or 2900). **Assessment:** Written assignments and exam.

NB: Enrolment Restriction: Entry is restricted to students who have a credit or better in at least one of the Prerequisite units.

A collection of different methods for collecting and analysing information will be studied in the context of a systems thinking approach to investigative research. These approaches include participative methods, surveys, focus groups, controlled experiments and case studies.

ISYS 3113 Arts Informatics Systems

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisite:** INFO (2000 or 2900) and INFO (2005 or 2905) and [(ARIN 1000 or ENGL (1050 or 1005) or LNGS (1001 or 1002 or 1005) or ECOF (1001 or 1002)]. **Assessment:** Examination and written assignments.

A variety of topics relevant to the text and image processing needs of the Arts and Social Sciences such as scripting languages, text retrieval, natural language processing, applied artificial intelligence, and multi media techniques in the context of data distributed in databases across networks.

ISYS 3207 Information Systems Project

8 credit points. **Session:** 2. **Classes:** One 1hr lecture. **Prerequisite:** ISYS 3012 and (ISYS 3015 or ARIN 2000). **Assessment:** Written project report and presentation.

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.

MULT 3004 Computer Graphics

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1–2 hour tutorial/practical. **Prerequisite:** COMP (2111 or 2811 or 2002 or 2902) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902). **Prohibition:** May not be counted with MULT 3904 or COMP (3004 or 3904). **Assessment:** Written and practical assignments plus 2hr written exam.

A picture has a million pixels (in round terms). Like any other interface, it must be well engineered for accuracy, high-speed performance and compatibility with user needs. This unit of study examines established algorithms for picture generation, covering such topics as hidden-line elimination, shading and texturing and ray-tracing. The effects on performance of algorithmic design choices are considered. This unit assumes an understanding of vector and matrix operations.

MULT 3904 Computer Graphics (Advanced)

4 credit points. **Session:** 2. **Classes:** Two 1hr lecture, one 1–2 hour tutorial/practical. **Prerequisite:** COMP (2111 or 2811 or 2002 or 2902) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902) and Distinction in a MULT or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with MULT 3004 or COMP (3004 or 3904). **Assessment:** Written and practical assignments plus 2hr written exam.

An advanced alternative to MULT 3004; covers material at an advanced and challenging level.

MULT 3018 Multimedia Interaction

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hour tutorial/practical. **Prerequisite:** SOFT (2004 or 2904) or COMP (2004 or 2904). **Prohibition:** May not be counted with MULT 3918. **Assessment:** Assignments and written exam.

More than 70% of the information people receive comes from visual perception. Multimedia allows a more comprehensive interaction between humans and computers by exploiting the natural ability that humans have making sense of visual information. This unit provides an overview of visual communication and multimedia interaction with computer interfaces. It introduces the visual perception fundamentals, discusses multimedia I/O devices and multimedia interaction, illustrates visualisation of relational information, describes interactive visual communication and presents some visualisation applications, such as medical imaging and flight simulation.

MULT 3918 Multimedia Interaction (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1 hr lectures, one 1–2 hour tutorial/practical. **Prerequisite:** SOFT (2004 or 2904) or COMP (2004 or 2904) and Distinction in a MULT or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with MULT 3018. **Assessment:** Written assignments and exam.

An advanced alternative to MULT 3018; covers material at an advanced and challenging level.

MULT 3019 Digital Media

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hour tutorial/practical. **Prerequisite:** COMP (2111 or 2811 or 2002 or 2902) and MATH (1001 or 1901) and MATH (1002 or 1902) and MATH (1003 or 1903). **Prohibition:** May not be counted with MULT 3919. **Assessment:** Written and practical assignments plus written exam.

Multimedia has become more and more important in modern computing. This unit provides an overview of processing digital media, which includes text, audio, pictorial data and video. It introduces the main processing techniques such as text parsing and summarisation, audio masking and manipulation, video segmentation and tracking; standards in each of these areas, such as UML, MP3, JPEG and MPEG; and presents applications such

as multimedia Web design, multimedia presentation, video cataloguing and retrievals.

MULT 3919 Digital Media (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1hr lecture, one 1–2 hour tutorial/practical. **Prerequisite:** COMP (2111 or 2811 or 2002 or 2902) and MATH (1001 or 1901) and MATH (1002 or 1902) and MATH (1003 or 1903) and Distinction in a MULT or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with MULT 3019. **Assessment:** Written and practical assignments plus written exam.

An advanced alternative to MULT 3019; covers material at an advanced and challenging level.

NETS 3007 Network Protocols

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). **Prohibition:** May not be counted with NETS 3907 or COMP (3007 or 3907). **Assessment:** Written assignments and exam.

This unit covers the internal details of network protocols. Building on NETS 2009 which introduces the concepts from a user-viewpoint, discussing the functionality of each protocol, NETS 3007 shows how software can provide that functionality.

Topics include the general issues in communications protocols (naming, error detection, buffering, end-to-end argument), and the main design choices taken in TCP/IP. By the end of the unit, student should be able to design implement and debug simple network protocols.

NETS 3907 Network Protocols (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with NETS 3007 or COMP (3007 or 3907). **Assessment:** Written assignments and exam.

An advanced alternative to NETS 3007; covers material at an advanced and challenging level.

NETS 3009 Operating Systems

4 credit points. **Session:** 2. **Classes:** Two 1hr lecture, one 1–2 hr tutorial/practical. **Prerequisite:** [NETS (2008 or 2908) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT(2001 or 2901). **Prohibition:** May not be counted with NETS 3909 or COMP (3009 or 3909). **Assessment:** Written assignments and exam.

This unit covers the internal details of operating systems. Building on NETS 2008 which introduces the concepts from a user-viewpoint, discussing the functionality of each aspect of an OS, NETS 3009 shows how software can provide that functionality. The topics include the internal structure of OS; several ways each major aspect (process scheduling, interprocess communication, memory management, device management, file systems) can be implemented; the performance impact of design choices.

NETS 3909 Operating Systems (Advanced)

4 credit points. **Session:** 2. **Classes:** Two 1hr lecture, one 1–2 hr tutorial/practical. **Prerequisite:** [NETS (2008 or 2908) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT(2001 or 2901) and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with NETS 3009 or COMP (3009 or 3909). **Assessment:** Written assignments and exam.

An advanced alternative to NETS 3009; covers material at an advanced and challenging level.

NETS 3016 Computer and Network Security

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Assumed knowledge:** MATH (1004 and 1005). **Prerequisite:** [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)]. **Prohibition:** May not be counted with NETS 3916 or ELEC 5610. **Assessment:** Written assignments and exam.

This unit examines the main issues of security for enterprise systems and networks. It covers confidentiality, integrity, data-origin authentication, nonrepudiation, 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 MATH 3024.

NETS 3916 Computer and Network Security (Advanced)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Assumed knowledge:** MATH (1004 and 1005). **Prerequisite:** [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with NETS 3016 or ELEC 5610. **Assessment:** Written assignments and exam.

An advanced alternative to NETS 3016; covers material at an advanced and challenging level.

NETS 3017 Network Programming and Distributed Apps

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [[NETS (2008 or 2908) and NETS (2009 or 2909)] or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). **Prohibition:** May not be counted with NETS 3917 or ELEC 3604. **Assessment:** Written assignments and exam.

This is a practically-oriented subject in which students learn to write code that uses communication primitives such as sockets, RPC and Java RMI. In contrast, SOFT 3105 assumes the existence of middleware that hides most of the details of creating sockets, sending and receiving data etc.

NETS 3917 Network Prog & Distributed Apps (Adv)

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [NETS (2008 or 2908) and NETS (2009 or 2909) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and Distinction in a NETS or SOFT unit at 2000-level or above. **Prohibition:** May not be counted with NETS 3017 or ELEC 3604. **Assessment:** Written assignments and exam.

An advanced alternative to NETS 3017; covers material at an advanced and challenging level.

SOFT 3101 Object-Oriented Software Design

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** SOFT (2001 or 2901) and INFO (2000 or 2900) and INFO (2005 or 2905) and [SOFT (2004 or 2904) or COMP (2004 or 2904)]. **Prohibition:** May not be counted with SOFT 3801 or COMP (3008 or 3908). **Assessment:** Written assignments and exam.

An important benefit of the object-oriented approach to software development is that the modelling style (classes with attributes and methods, related by inheritance) is useful throughout the lifecycle. One can represent the problem space as classes, and then adapt these to give a design which is suitable for coding. In this unit, we study a methodical approach to developing a design for a substantial software project. In particular, many ‘patterns’ will be introduced. These describe common ways to solve recurring issues, especially ways that use inheritance to reduce the coupling between parts of the system. We will also cover the precise principles behind design-by-contract, especially the relationship between assertions and inheritance. We will use UML as a notation for expressing designs, and study some ways to structure large designs for improved understanding.

SOFT 3801 Object-Oriented Software Design (Adv)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** SOFT (2001 or 2901) and INFO (2000 or 2900) and INFO (2005 or 2905) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a SOFT or INFO unit at 2000-level or above. **Prohibition:** May not be counted with SOFT 3101 or COMP (3008 or 3908). **Assessment:** Written assignments and exam.

An advanced alternative to SOFT 3101; covers material at an advanced and challenging level.

SOFT 3102 User Interface Design and Programming

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)]. **Prohibition:** SOFT 3802 or COMP (3102 or 3802). **Assessment:** Written assignments and exam.

This unit of study introduces several of the critical elements programmers need to create effective user interfaces. These include the essential technical skills used in creating several of the major types of interface as well as human and design issues. Critical to designing an effective interface is familiarity with the substantial body of knowledge about cognitive and perceptual constraints. The technical tools of User Interface programming include learning current tools for building interfaces. The unit of study will introduce students to ‘web-technology’ (programming of interfaces in the World-Wide-Web environment), a visual programming environment, and GUI building tools based on scripting.

SOFT 3802 User Interface Design Programming (Adv)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a SOFT or INFO unit at 2000-level or above.

Prohibition: SOFT 3102 or COMP (3102 or 3802). **Assessment:** Written assignments and exam.

An advanced alternative to SOFT 3102; covers material at an advanced and challenging level.

SOFT 3103 Software Validation and Verification

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and MATH (1005 or 1905). **Prohibition:** May not be counted with SOFT 3803. **Assessment:** Written assignments and exam.

This unit will introduce a thorough approach to ensure the quality of software. It will focus on how to design and carry out effective testing. Testing needs to address both functionality and also non-functional issues such as performance, usability, conformance to policy. We will learn to evaluate test strategies in terms of coverage and contribution to system reliability. Attention is also paid to the automation and management of the testing process.

SOFT 3803 Software Validation & Verification (Adv)

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and MATH (1005 or 1905) and Distinction in a SOFT or INFO unit at 2000-level or above. **Prohibition:** May not be counted with SOFT 3103. **Assessment:** Written assignments and exam.

An advanced alternative to SOFT 3103; covers material at an advanced and challenging level.

SOFT 3104 Software Development Methods 2

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). **Prohibition:** May not be counted with SOFT 3804 or COMP (3100 or 3800). **Assessment:** Written assignments and 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. In addition, you will have had experience with refactoring, use of software configuration management systems (such as CVS, RCS, SCCS, Perforce), and use of metrics in Personal Software Process.

SOFT 3804 Software Development Methods 2 (Adv)

4 credit points. **Session:** 1. **Classes:** Two 1hr lectures, one 1–2 hr tutorial/practical. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and Distinction in a SOFT or INFO unit at 2000-level or above. **Prohibition:** May not be counted with SOFT 3104 or COMP (3100 or 3800). **Assessment:** Written assignments and exam.

An advanced version of SOFT 3104; covers material at an advanced and challenging level.

SOFT 3200 Software Development Project

8 credit points. **Session:** 1, 2. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and 8 credit points from BIT table III(ii) and 8 credit points from BIT table III(iv). **Prohibition:** May not be counted with SOFT 3700. **Assessment:** Written report and presentation.

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 3700 Software Development Project (Advanced)

8 credit points. **Session:** 1, 2. **Prerequisite:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and 8 credit points from BIT table III(ii) and 8 credit points from BIT table III(iv) and Distinction in a 2000- or 3000- level unit from COMP, INFO, MULT, NETS, or SOFT. **Prohibition:** May not be counted with SOFT 3200. **Assessment:** Written report and presentation.

This unit is an Advanced alternative to SOFT 3200. Students develop software to assist an organisation or research group which is involved in innovation. Involvement in the activities of the client community is an important aspect of the unit.

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 which have codes starting with COMP, INFO, MULT, NETS and/or SOFT).

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.

Information Systems Honours

Information Systems Honours consists of coursework and a project. The project involves a substantial development or investigation task generally in support of the department's research effort. It provides training in investigating the history of the body of knowledge that encompasses a conceptual problem space, defining a complex task to tackle the problem, and then taking the task to completion. Students receive an education in moving through a problem from its inception to its completion so that they gain the confidence and experience to tackle independently significant research and industrial projects. Research areas in the School include natural language processing, data mining, systems methodologies and Workflow methods. Students are required to participate in School seminars as part of their coursework and in all other activities of the School. They are provided with office accommodation and laboratory facilities and may be employed for a few hours per week in undergraduate teaching.

For further details consult the School Handbook and the Honours Guide Book.

■ 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.

LAWS 1006 Foundations of Law

6 credit points. Ms Jenni Millbank (Convenor). **Session:** 1. **Classes:** One 1 hr lecture & Two 2 hr seminars per week.

NB: Unit is part of the Combined Law program.

This unit of study provides a foundation core for the study of law. We aim to provide a practical overview of the Australian legal system, an introduction to the skills of legal reasoning and analysis which are necessary to complete your law degree, and an opportunity for critical engagement in debate about the role of law in our lives.

The course will introduce students to issues such as:

- 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. Mr Ross Anderson (Convenor). **Session:** 2. **Classes:** Two 2 hr seminars per week. **Prerequisite:** Legal Institutions. **Prohibition:** LAWS 3001 Torts.

NB: Unit is part of the Combined Law program for students commencing in 2004.

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 1002 Contracts

8 credit points. Dr Elisabeth Peden (Convenor). **Session:** 1, 2, Summer. **Classes:** Two 2 hr seminars per week. **Prerequisite:** Legal Institutions. February Semester classes are for students in Combined Law and July Semester classes are for students in Graduate Law.

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 1003 Criminal Law

8 credit points. Professor Mark Findlay (Convenor). **Session:** 1, 2. **Classes:** Two 2 hr seminars per week.

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 wide range of socio-legal literature, and will focus on particular substantive 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.
- (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.

The understandings referred to in the foregoing paragraphs will have a critical focus and will draw on procedural, substantive, theoretical and empirical sources. Race, gender, class and the interaction of these factors will be key themes.

LAWS 1008 Legal Research

No credit points. Mr Graeme Coss (Convenor). **Session:** 1, 2. **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 3000 Federal Constitutional Law

10 credit points. Dr Isabel Karpin (Convenor). **Session:** 1. **Classes:** Two 2 hr seminars per week. **Prerequisite:** Legal Institutions.

NB: Unit is part of the Combined Law program.

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. Mr Bernard Dunne (convenor). **Session:** 2. **Classes:** Two 2 hr seminars per week.

NB: Unit is part of the Combined Law program for re-enrolling students in 2004

As for graduate law, LAWS 1001

■ Liberal Studies units of study

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 1005 Language and Image

6 credit points. Dr Harbus. **Session:** 1, 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prohibition:** 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. Dr J Simpson. **Session:** 1. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prohibition:** may not be taken as well as 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 students 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 Web site (www.usyd.edu.au/marine).

MARS 2001 Introductory Marine Science A

4 credit points. Dr Hughes. **Session:** 1. **Classes:** 3 lec & 1 tut/wk.

Prerequisite: 24 credit points of Junior units of study from Science Discipline Areas. This is a qualifying unit of study for Senior Marine Science units. Some Senior electives may have additional prerequisites.

Assessment: One 2hr exam, classwork.

This unit of study 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 unit, you will receive regular feedback on your understanding of the unit content through informal quizzes and assignments. The learning outcome you should expect at the end of the unit 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 units of study in which you will learn more advanced concepts, and also become involved in the practical and field-based aspects of marine science.

MARS 2002 Introductory Marine Science B

4 credit points. Dr Adele Pile. **Session:** 2. **Classes:** 3 lec, 1 day

excursion, 1/2 day excursion. **Prerequisite:** 24 credit points of Junior units of study from Science Discipline Areas. This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites. **Prohibition:** GEOG 2002. **Assessment:** One 2hr exam, written assignment, computer based assignment.

This unit of study 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).

MARS 2003 Marine Science Field School

4 credit points. Prof Andy Short. **Session:** 1a. **Classes:** Field school and prac/Sem 3hr/wk. **Prerequisite:** 48 credit points of Junior units of study from Science Subject Areas. **Corequisite:** MARS 2001. **Assessment:** Participation in field school, participation in practicals, assignments.

NB: This unit of study is available to students in the Bachelor of Science (Marine Science) and the Bachelor of Resource Economics 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 focussed 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 data analysis-based data collected during the field school. These data will provide resources for the practical/seminar part of the course undertaken during the semester. **Practical:** The 4 practical classes are intended to familiarise the student with data processing techniques and report writing and are

intended to draw the connection between fieldwork and theoretical issues discussed in the Introductory Marine Science units.

Practical: The practical classes are intended to familiarise the student with data processing techniques and the seminars are intended to draw the connection between fieldwork and theoretical issues discussed in the Introductory Marine Science units.

MARS 2004 Marine Techniques

4 credit points. Dr Cowell, Dr Pile. **Session:** 2. **Classes:** practicals 4hr/week. **Prerequisite:** 48 credit points of units of study from Junior Science Subject Areas and MARS 2003. **Corequisite:** MARS 2002.

Assessment: practical work, assignments.

NB: This unit of study is available to students in the Bachelor of Science (Marine Science) and the Bachelor of Resource Economics only.

Marine scientists are involved in the study of the largest and most diverse and dynamic environment on the planet. A

multidisciplinary approach is required to investigate the complex physical, biological and chemical interactions that compose this environment. This unit will build on MARS 2003, and systematically introduce students to a range of field and

laboratory techniques used in the acquisition and analysis of marine biological and geoscience data. During the unit students will collect data in the field, undertake laboratory analysis, and enter the results into spreadsheet/databases, and finally prepare and present written and oral reports on their findings.

Marine Science Senior units of study

Students in the Bachelor of Science intending to major in Marine Science should enrol in Senior MARS units of study to a total worth of 24 credit points. Students in the Bachelor of Science (Marine Science) must enrol in a minimum of 36 credit points of Senior Marine Science units of study.

There are 7 electives available in Semester 1 and 6 electives in Semester 2. The majority of the electives are of half-semester duration only and are grouped into each half (see list below). Alternatively, students enrolled in the Bachelor of Science (Marine Science) may apply to replace one or more of these electives with Tropical Marine Science (NTMP) units. Students are encouraged to select those electives in which they have a particular interest, subject to certain conditions. All prerequisites must be met and selection of electives must be managed to avoid too much study in any one half semester. That is, no student may do more than 12 credit points in any one half semester. All enrolments are to be registered with and approved by the Undergraduate Advisor of USIMS on the first day of Semester 1. You may be required to change your selection on the basis of these rules.

Semester 1 (weeks 1–7 inclusive)

MARS 3003, MARS 3005, BIOL 3011*

Semester 1 (weeks 7–13 inclusive)

MARS 3004, MARS 3006, MARS 3008, BIOL 3013*

Semester 2 (weeks 1–7 inclusive)

MARS 3103, MARS 3105

Semester 2 (weeks 7–13 inclusive)

MARS 3104, MARS 3106

Semester 2 (full semester)

MARS 3102*

(*) 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 marine 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.

Registration

In addition to complying with enrolment procedures required by the University, all students in Senior Marine Sciences must register with the Marine Science Administration Office (Room 469 Madsen) during the first week of lectures. Enquiries should also be directed there.

Descriptions of options

Students should also consult electives (BIOL 3011/3911, BIOL 3013/3913) as listed in this chapter under Biological Sciences in this handbook.

MARS 3003 Coastal Depositional Environments

6 credit points. Prof Andy Short. **Session:** 1a. **Classes:** (weeks 1–7) 3 hrs lecs & 3 hrs prac/wk, one half day excursion, one weekend excursion. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. **Assessment:** Excursion report, 2 x 1500 word essays, 1 hr exam.

Coastal depositional environments dominate the coast of Australia and most shorelines. They are dynamic systems

responding to input sediments and processes as well as boundary conditions. This course focuses on high energy wave and wind dominated depositional systems manifest as beaches, dunes and barrier systems. It examines their formative processes and their global variation, before systematically looking at the beach-surf zone, backshore, dunes and barriers, including their Holocene evolution. The impact of lower waves and tides, embayments, structures and other environmental parameters are also considered. The surface morphology and stratigraphy of representative systems is examined on the excursions and in the practicals. The practicals also introduce students to field and laboratory techniques used in core logging and analysis of sediments. One assignment is based on the excursion and practical work, the second is based on library research of a section of the Australian coast.

Textbooks

Short, A.D. Beach and Shoreface Morphodynamics, John Wiley & Sons, 1999, Chichester, 379 pp.

Course Notes and other material also available at University Copy Centre

MARS 3004 Coastal Morphodynamics

6 credit points. Dr Peter Cowell. **Session:** 1b. **Classes:** (weeks 7–13) 3 hrs lecs & 6 hrs pracs/wk. & 3 hrs WebCT assignments/ wk.

Prerequisite: MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. **Prohibition:** May not be counted with GEOG 3001.

Assessment: Assignments, 1 hr exam.

Coastal Morphodynamics studies the modeling of complex environmental systems and management of uncertainty in predicting environmental change. Complexity here refers to time-dependent evolution of systems driven by variable inputs (stochastic non-linear dynamics). Specifically the course concerns formal methods to predict (and thus understand) changes in the geomorphology of coastal barrier and mainland beaches (and the associated sand dunes), estuaries (including their deltaic counterparts), coastal lowlands and continental shelves. The subject is of practical relevance to coastal management and planning, as well as to petroleum and mineral exploration. The option aims to provide (1) skills in managing complex problems in general, (2) an analytical understanding of coastal processes in particular, and (3) experience in application of computer simulation programs and vocationally relevant, commercial software packages. Practical work involves extensive use of computers.

MARS 3005 Marine Geophysical Data Analysis

6 credit points. Dr Dietmar Mfller, Dr Michael Hughes. **Session:** 1a. **Classes:** (weeks 1–7) 12 hrs lecs & pracs/week, one weekend excursion. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study or CIVL 2409. **Assessment:** Assignments, 2 hr exam.

Exploring the sediments/rocks that make up the deep ocean floor and the continental shelves requires the use of remote sensing techniques, and the analysis of geophysical data. This unit teaches analytical and interpretive skills in both these areas, with a focus on: basic signal properties, convolution and correlation, numerical transforms, time series (harmonic and spectral) analysis, filtering, and image analysis. It covers a variety of data types including wave and current data, multibeam seafloor data, gravity, magnetic and heatflow data, seismic reflection data, video imagery, and satellite altimetry. All practical exercises are carried out in an integrated LINUX/Matlab computer environment. The unit is relevant to students interested in marine geophysics and geology, offshore engineering, as well as geological or physical oceanography.

Textbooks

Mfller, R. D., and Hughes, M., Marine geophysical data analysis, (available at University Copy Center).

MARS 3006 Dynamics of Ocean Basins and Margins

6 credit points. Dr Dietmar Mfller. **Session:** 1b. **Classes:** (weeks 7–13) 12 hrs lecs & pracs/wk, one weekend excursion. **Assumed knowledge:** Prior completion of MARS 3005 is highly recommended. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study or CIVL 2409. **Assessment:** Assignments, 2 hr exam.

This module explores the processes that have shaped the abyssal plains, deep sea trenches, continental shelves and slopes of the ocean basins. Plate tectonic processes in the ocean basins and margins control the production of magma and the destruction of crust, which collectively lead to changes in sea level, geochemistry and sedimentation, and drive the formation of basins and mountain belts with associated natural resources. The class introduces the basics of geodynamics as well as research at the cutting edge of modelling our dynamic Earth with an emphasis of data collected by remote sensing and at sea. The physical mechanisms forming different types of basins are examined and their relevance for petroleum resources is explored, based on thermal and mechanical models for the evolution of sedimentary basins and continental shelves. All practical exercises are carried out in a LINUX/Matlab computer environment, and require previous knowledge of Matlab and data analysis techniques based on Fourier transforms as covered in MARS 3005. The class is relevant to all students interested in using computational methods to learn how the Earth works.

Textbooks

Mfller, R. D., Dynamics of ocean basins and margins, (available at University Copy Center).

MARS 3008 Energy: Science, Engineering & Economics

6 credit points. Prof Peter Davies, Dr Gavin Birch. **Session:** 1. **Classes:** (weeks 7–13) 12 hrs lecs & pracs/wk, one weekend excursion. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study or CIVL 2409. **Prohibition:** May not be counted with GEOL 3102. **Assessment:** Assignments, field work, 2 hr exam.

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 sequence stratigraphy. 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, whereas the modern concepts of sequence stratigraphy and seismic stratigraphy 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.

MARS 3102 Marine Ecology

12 credit points. Dr Chapman, Dr Norcum, Prof. Underwood, Dr C Styan and others. **Session:** 2. **Classes:** 4 lec & 8hr prac/wk, one 8-day field trip in vacation before Sem 2. **Prerequisite:** MARS (2001 and 2002) and 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2002 or 2902 or 2004 or 2904). **Prohibition:** BIOL 3023, 3923, 3024, 3924, 3040 or 3940. **Assessment:** field report, laboratory, exam.

MARS 3102 comprises two parts, Ecological Methods and Marine Ecology. Ecological Methods is conducted during weeks 1–6 and will consider ecology as a theoretical, quantitative, experimental science concerned with the analysis of patterns of distribution, abundance, dynamics, demography and life-histories of natural populations with an appraisal of the nature of scientific investigations, from a philosophical viewpoint and the practicalities of testing hypotheses in the real world. Application of ecological theory and methods to practical problems will be integrated throughout the unit of study. Lectures will be on sound philosophical and experimental principles and useful for the more informed management, conservation and utilization 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.

Marine Ecology will explore the designs of experimental analysis of marine populations, drawing upon extensive examples from intertidal assemblages of animals and plants and from the biology of sub-tidal organisms in coastal habitats. No particular mathematical or statistical skills are required for this module. Much emphasis will be placed on evaluation of recent studies in the literature. Laboratory classes will deal with techniques of analysis and experimental manipulation of natural assemblages. The relationships between experimental marine ecology and general ecological theory will be emphasised. The role of ecological science in management, conservation and exploitation of populations will be emphasised.

Notes

- (1) Marine Ecology has a compulsory pre-semester field trip in July (held July 8–15 in 2003). Students wishing to do Marine Ecology must pre-enrol with the School of Biological Sciences and the Marine Science Administration Office early in Semester 1. (2) Students should be aware that the Marine Ecology and NTMP field units may clash. Contact the Marine Science Administration Office for further information. (3) Marine Ecology is a prerequisite for Marine Science Honours in Marine Ecology.

MARS 3103 GIS Simulation Modelling

6 credit points. Dr Peter Cowell. **Session:** 2a. **Classes:** (weeks 1–7) 3 hrs lecs & 6 hrs pracs/wk & 3 hrs WebCT assignments/ wk. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. **Prohibition:** May not be counted with GEOG 3102. **Assessment:** Assignments, 1 hr exam.

Specific aims of the unit are to provide (a) an introduction to technical issues in Geographic Information Systems (GIS), (b) experience in using GIS techniques ('hands on'), and (c) insights into use of GIS to combine theory and environmental data for practical prediction in environmental management (ie, through simulation modeling). The lectures illustrate how Geographic Information Systems can be applied by people working in marine sciences, and provide an introduction to the nuts and bolts of GIS. The technical lectures are based on a leading GIS textbook. The practical work focuses on application of GIS techniques to coastal management project. Practical work involves extensive use of computers.

MARS 3104 Coastal Zone Management

6 credit points. Dr Eleanor Bruce. **Session:** 2b. **Classes:** (weeks 7–13) 3 hrs lecs & 4 hrs pracs/wk, fieldtrip. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. **Prohibition:** GEOG 3102. **Assessment:** Assignments, exam.

Aims of the unit: To assist you to identify significant problems in resource management in the coastal zone, to enhance your understanding of the origins of these problems at the interface between the natural and human environments, and the nature of human responses to them. To equip you with some conceptual models for the management of problems in resource management in the coastal zone, and to teach you some of the

fundamental skills in analysis of environmental problems, including the use of remotely sensed information in resource management.

MARS 3105 Coastal Oceanography & Sediment Dynamics

6 credit points. Dr Michael Hughes. **Session:** 2a. **Classes:** (weeks 1–7) 12 hrs lects & pracs/wk, one weekend excursion. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study or CIVL 2409. **Prohibition:** May not be counted with GEOL 3104. **Assessment:** Assignments, 2 hr exam.

The scope of this unit of study is intended to have wide appeal: encompassing students with interests ranging from Earth systems modelling through to managing marine environments. You will learn about the fundamental principles that govern fluid and sediment movement in coastal waters, develop computational analysis and modelling skills that enable you to solve practical problems, and explore the wider application of this knowledge and skills base to environmental issues in the Australasian region.

The lecture program addresses a range of physical processes relating to waves, tides, nearshore currents, and their combined influence on coastal sediment transport. The practical program provides hands-on experience with coastal oceanographic data collection, and the use of a wide range of computational analysis and modelling techniques. The practical exercises use real data sets collected during recent research programs, and address issues specific to Australia's coastal seas.

MARS 3106 Physical Marine Habitat

6 credit points. **Session:** 2b. **Classes:** (weeks 7–13) 12 hrs lects & pracs/wk, one weekend excursion. **Prerequisite:** MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. **Assessment:** Assignments, presentations, 2 hr exam.

The aim of this unit of study is to provide the student with skills to analyse sea floor environments and their respective physical, chemical and biological processes. A variety of geological, geochemical, oceanographic and biological data will be used to interpret the sea floor, particularly in the Australian Exclusive Economic Zone. The Regional Marine Plans being set up under Australia's Oceans Policy will receive particular attention. Marine survey data sets and computer simulation, including 3-D VisLab facilities, will be used to interpret the sea floor. Students will develop skills to analyse remote sensing images (sonar, swath-mapping) of the sea floor and seismic reflection profiles of the sub-sea floor. The practical content of the course will develop student's skills in field experimentation and sampling, and the interpretation of physical processes from the study of sedimentary textures and structures. Samples from the shelf, slope and deep-sea will enable examination of the role of plants and animals in modifying sediment texture and composition. Ocean Drilling Program data will be used to show how and why sedimentary environments have changed through time, particularly the past 100 million years. In seminars students will develop communication and presentation skills by critical analysis of current controversies in marine science and proposals to resolve them. There will be a one-day weekend field trip on Sydney Harbour.

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. A minimal WAM score is usually set for entry into Honours in Marine Sciences, preferably during the July semester of the Senior program and otherwise as soon as possible after publication of the Senior units of study examination results. 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. The TMNP is a joint program of the University of Sydney, the University of Queensland and James Cook University, and will offer six units of study in tropical marine science, all to be 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 program contains six units of study, each worth 6 credit points and all of which are 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 will be offered each year, together with two to three of the other units. The prerequisites for all units will be the successful completion of the first year of the B.Sc.(Marine Science) course or equivalent, and the qualifying course MARS 2003.

Students may enrol in these units in academic year 2 and year 3 as part of the BSc(Marine Science). In order to major in Tropical Marine Science, students must successfully complete at least 3 and no more than 5 of the NTMP units of study.

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. For further information on the availability and timing of these units please refer to the Web site: www.usyd.edu.au/marine.

NTMP 3001 Coral Reef Ecosystems

6 credit points. **Session:** 2. **Classes:** Fieldwork, 80 hours block mode. **Assumed knowledge:** General concepts in Biology. **Prerequisite:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Assessment:** Report.

NB: Department permission required for enrolment.

Coral Reef Ecosystems is an intensive unit that will be held at either the Heron Island or One Tree Island Tropical Research Stations on the Great Barrier Reef. The unit focuses on the dominant taxa in reef environments and linkages between them. Emphasis is given to corals, other reef associated invertebrates (eg, echinoderms and plankton) and fishes. Ecological and physiological aspects of key organisms are explored. Aspects covered include: distribution of corals; coral bleaching; coral symbionts and the health of the corals based on photosynthetic activity; predation on corals; the input of plankton to reefs; and, the role of fishes and invertebrates in reef environments.

NTMP 3002 Marine Biotechnology

6 credit points. **Session:** 1. **Classes:** Fieldwork, 80 hours block mode. **Assumed knowledge:** General concepts in Biology. **Prerequisite:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Assessment:** Assignment and report.

NB: Department permission required for enrolment.

Marine Biotechnology is an intensive unit that will be held at the Heron Island Tropical Research Station on the Great Barrier Reef. The unit focuses on novel attributes of coral reef environments that are the basis of an expanding industry of biotechnology. Marine Biotechnology is the application of knowledge of reef-based life to improve our quality of life. Emphasis is given to the abilities of corals and other reef associated organisms (eg, Sponges) to protect themselves against the sun, repel and/or destroy non-self cells, and to immunise themselves against some diseases. Aspects covered include: collection of organisms; field experiments; and, molecular and genetic techniques to separate and identify 'useful proteins'.

NTMP 3003 Fisheries Biology and Management

6 credit points. **Session:** 2. **Classes:** Fieldwork, 80 hours block mode. **Assumed knowledge:** General concepts in Biology. **Prerequisite:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Assessment:** Report.

NB: Department permission required for enrolment.

Fisheries Biology and Management is an intensive unit that will be held at the tropical research station on Orpheus Island in the Great Barrier Reef. The unit focuses on approaches to quantitative fisheries biology in tropical marine environments. Emphasis is given to sampling design and hypothesis testing, underwater visual census surveys, fishery surveys, assessments of habitat types, and tagging and trapping of organisms. Most field aspects will be covered while diving and data storage will be dealt with at the end of each day. The assessment will focus on the manipulation of data and reporting.

NTMP 3004 Aquaculture

6 credit points. **Session:** 2. **Classes:** Fieldwork, 80 hours block mode. **Assumed knowledge:** General concepts in Biology. **Prerequisite:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Assessment:** Assignments and report.

NB: Department permission required for enrolment.

Aquaculture is an intensive unit that will be held at the tropical research station on Orpheus Island in the Great Barrier Reef. The unit focuses on approaches to aquaculture in tropical marine environments. Emphasis is given to aquaculture of tropical invertebrates (especially bivalves and clams) and fishes. Some aspects of the unit may also be done using the aquarium system on campus at James Cook University. Aspects covered include: the design of aquarium facilities; water quality; rearing of algae; rearing of planktonic food; stocking densities; and, growth and genetics of the target species.

NTMP 3005 Coastal Management

6 credit points. **Session:** 2. **Classes:** Fieldwork, 80 hours block mode. **Assumed knowledge:** General concepts in Biology. **Prerequisite:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Assessment:** Assignment and report.

NB: Department permission required for enrolment.

This unit examines the impacts of human activities on coastal and marine environments. It explores the complex relationships among the ecological and social values of these environments and outlines strategies and tools for their management. This is an intensive unit that will be held at the Moreton Bay Research Station.

NTMP 3006 Coastal Oceanography

6 credit points. **Session:** 1. **Classes:** Fieldwork, 80 hours block mode. **Assumed knowledge:** General concepts in Biology. **Prerequisite:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Assessment:** Report.

NB: Department permission required for enrolment.

Coastal Oceanography is an intensive unit that will be held at the tropical research station on North Stradbroke Island in the Great Barrier Reef. The unit focuses on approaches to studying the physical and biological attributes of coastal and pelagic environments. Emphasis is given to measuring horizontal and vertical attributes of the water column (eg, Salinity and temperature) as well as the composition of planktonic assemblages from low salinity waters to the shelf break. Aspects covered include: the use of physical oceanographic equipment (static sampling and logger); analyses of nutrients; and, the use of plankton nets.

■ 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 three levels, viz. 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

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.

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. Each unit of study uses both computers and graphics calculators as aids to the development of mathematical ideas.

There are comprehensive 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 2002 and STAT 2004.

MATH 1011 Life Sciences Calculus

3 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics. **Prohibition:** MATH (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.

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

MATH 1012 Life Sciences Algebra

3 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics. **Prohibition:** MATH (1002 or 1902). **Assessment:** One 1.5 hour examination, assignments and quizzes. MATH 1012 is designed to provide algebra for students of the life sciences who do not intend to undertake higher year mathematics and statistics.

This unit of study introduces matrices, systems of linear equations and linear programming and counting techniques.

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

MATH 1013 Differential and Difference Equations

3 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics. **Prohibition:** 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.

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

MATH 1015 Life Science Statistics

3 credit points. **Session:** 1, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics. **Prohibition:** MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1015 is designed to provide a thorough preparation in statistics for students of the Life Sciences. It offers a comprehensive first introduction to data analysis, probability and sampling, inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

There are comprehensive details of this unit of study in the Junior Mathematics Handbook distributed at the time of enrolment.

Textbooks

As set out in the Junior Mathematics Handbook

Mathematics & 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 comprehensive 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 are encouraged to enrol in other Advanced units of study.

MATH 1001 Differential Calculus

3 credit points. **Session:** 1, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 1. **Prohibition:** MATH 1011 or 1901 or 1906. **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.

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.

MATH 1002 Linear Algebra

3 credit points. **Session:** 1, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 1. **Prohibition:** MATH 1902 or 1012. **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.

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

MATH 1003 Integral Calculus and Modelling

3 credit points. **Session:** 2, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 2 or MATH 1001. **Prohibition:** 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 Engineering.

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.

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

MATH 1004 Discrete Mathematics

3 credit points. **Session:** 2, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 1. **Prohibition:** MATH 1904 or MATH 2011. **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 requirements 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.

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

MATH 1005 Statistics

3 credit points. **Session:** 2, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics. **Prohibition:** 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.

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 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 comprehensive 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 are encouraged to 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 Normal 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. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. **Prohibition:** MATH (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.

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

MATH 1902 Linear Algebra (Advanced)

3 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. **Prohibition:** MATH (1002 or 1012). **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.

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

MATH 1903 Integral Calculus and Modelling Advanced

3 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 2 or Credit or better in MATH 1001/1901. **Prohibition:** 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.

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

MATH 1904 Discrete Mathematics (Advanced)

3 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. **Prohibition:** MATH 1004 or MATH 2011. **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.

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

MATH 1905 Statistics (Advanced)

3 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Assumed knowledge:** HSC Mathematics Extension 2 or result in Band E3 or better of HSC Mathematics Extension 1. **Prohibition:** 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.

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

MATH 1906 Mathematics (Special Studies Program) A

3 credit points. **Session:** 1. **Classes:** 2 lec, 1 sem, 1 tut/wk. **Prerequisite:** UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation. **Prohibition:** MATH (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.

There are comprehensive details of this unit of study in the Junior mathematics Handbook distributed at the time of enrolment.

MATH 1907 Mathematics (Special Studies Program) B

3 credit points. **Session:** 2. **Classes:** 2 lec, 1 sem & 1 tut/wk.

Prerequisite: Distinction in MATH 1906; by invitation. **Prohibition:** 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 MATH 1906. Students will cover the material in MATH 1903 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.

There are comprehensive details of this unit of study in the Junior mathematics Handbook distributed at the time of enrolment.

Mathematics Intermediate units of study

The School of Mathematics provides a range of Intermediate units of study, each worth 4 credit points covering a variety of topics in Pure and Applied Mathematics. A normal Intermediate load in a discipline is 16 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 4 credit points)

- Analysis MATH 2007
- Analysis (Advanced) MATH 2907
- Fourier Series and Differential Equations MATH 2005
- Graph Theory MATH 2009
- Introduction to Modern Algebra MATH 2008
- Introduction to Modern Algebra (Advanced) MATH 2918
- Introduction to Nonlinear Systems and Chaos MATH 2006
- Introduction to Nonlinear Systems and Chaos (Advanced) MATH 2906
- Linear Algebra (Advanced) MATH 2902
- Matrix Applications MATH 2002
- Vector Calculus and Complex Variables MATH 2001
- Vector Calculus and Complex Variables (Advanced) MATH 2901

Applied units of study (each 4 credit points)

- Financial Mathematics MATH 2033
- Financial Mathematics (Advanced) MATH 2933
- Fourier Series and Differential Equations MATH 2005
- Introduction to Mathematical Computing MATH 2003
- Introduction to Mathematical Computing (Advanced) MATH 2903
- Introduction to Nonlinear Systems and Chaos MATH 2006
- Introduction to Nonlinear Systems and Chaos (Advanced) MATH 2906
- Lagrangian Dynamics MATH 2004
- Lagrangian Dynamics (Advanced) MATH 2904
- Mathematical Methods (Advanced) MATH 2905
- Matrix Applications MATH 2002
- Optimisation MATH 2010
- Vector Calculus and Complex Variables MATH 2001
- Vector Calculus and Complex Variables (Advanced) MATH 2901

Relation to other units of study and recommendations

In general, 2 units of study (8 credit points) of Intermediate mathematics are needed to progress to a Normal Senior mathematics unit of study, and 3 units of study (12 credit points) of Intermediate mathematics to progress to an Advanced Senior unit of study.

If your major interest is in mathematics, then you are strongly encouraged to enrol in 8 units of study (32 credit points) 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 should choose at least 4 units of study including MATH 2001 or 2901, and MATH 2002 or 2902. Other recommended choices would be 2007 or 2907 and 2008 or 2918. The standard combination of units of study for students wishing to take a full load of Intermediate Applied Mathematics is as follows:

At Normal level: 2001+ 2002 + 2007 + (2008 or 2009).

At Advanced level: 2901 + (2903 or 2906) + 2905 + 2904.

Students intending to specialise in Pure Mathematics should choose at least 4 units of study from the Pure list above and should include MATH 2002 or 2902 and 2008 or 2918. Other recommended choices would be 2007 or 2907. The standard combination of units of study for students wishing to take a full load of Intermediate Pure Mathematics is as follows:

At Normal level: (2001 or 2009) + 2002 + (2005 or 2007) + 2008.

At Advanced level: 2901 + 2902 + 2907 + 2918.

Computer Science students may like to include MATH 2009 among their choices.

Physics students would be well-advised to choose MATH 2001 or 2901, and 2005 or 2905.

Prospective teachers of mathematics should consider MATH 2001, 2009, and 2007 or 2907.

MATH 2001 Vector Calculus and Complex Variables

4 credit points. **Session:** 1, Summer. **Classes:** 3 lec & 1 tut/wk.

Prerequisite: MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907). **Prohibition:** MATH 2901. **Assessment:** One 2hr exam, assignments, tutorial quizzes.

This unit of study has two major components: firstly, a study of functions of several real variables from a vector point of view, and secondly an introduction to functions of a complex variable. Vector calculus topics include line integrals and multiple integrals, surface integrals, change of variables, theorems of Green, Gauss and Stokes with their physical significance. Complex variables topics include definitions and properties of complex functions, differentiability, Cauchy Riemann conditions and analyticity, contour integration and residues.

MATH 2002 Matrix Applications

4 credit points. **Session:** 1, Summer. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisite:** MATH (1002 or 1902) or Distinction in MATH 1012. **Prohibition:** MATH 2902. **Assessment:** One 2hr exam, assignments, tutorial quizzes.

This unit is a continuation of the first year unit MATH 1002. It starts with an examination of the computational efficiency of various methods of solving linear systems, then discusses LU factorisation of a matrix and partial pivoting. The first year work on vectors and matrices is put in a more general setting by developing vector space theory (axioms of a vector space, subspace, linear independence and basis, rank and nullity, linear transformations, eigenvalues and eigenvectors, diagonalisation, orthogonal diagonalisation). These theoretical topics are illustrated by applications, which include fitting polynomials to data sets, applying rotations, reflections, shears and scalings to the plane, solving linear recurrence relations and systems of linked differential equations by diagonalisation, optimising constrained quadratic forms using orthogonal diagonalisation and developing numerical methods of finding eigenvalues and eigenvectors.

MATH 2003 Introduction to Mathematical Computing

4 credit points. **Session:** 1. **Classes:** 2 lec & 2 computer lab/wk.

Prerequisite: MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907). **Prohibition:** MATH 2903. **Assessment:** One 2hr exam, assignments, quizzes, computer lab participation.

This unit of study consists of two segments, one devoted to computer simulation and modelling and the other to applied computer algebra. In the first, mathematical models will be set up for a range of problems, such as the minimisation of factory pollutants, determination of drug regimes for a diabetic, the modelling of stars, biological patterns and chaos. Students will

use computer simulations to explore solutions. The emphasis will be on modelling, rather than programming. The second segment gives hands-on experience with a computer algebra program. Students work through a set of interactive lessons showing them the potential of such programs. Students are required to write programs to solve applied mathematical problems that would be intractable if attempted solely by pen and paper.

MATH 2004 Lagrangian Dynamics

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 prac & 1 tut/wk. **Prerequisite:** MATH 2001 or 2901. **Prohibition:** MATH 2904. **Assessment:** 2hr exam, assignments.

This unit of study provides a first course in dynamics from a higher standpoint. It demonstrates that Newton's laws of motion can be derived from a variational principle. The advantage offered by the Lagrangian formulation in solving for the motion is emphasised. The applications, which include planetary dynamics, illustrate the basic concepts of Newtonian dynamics such as conservation laws. Small oscillations about equilibrium states are treated as part of linear stability theory.

MATH 2005 Fourier Series & Differential Equations

4 credit points. **Session:** 2, Summer. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). **Prohibition:** MATH 2905. **Assessment:** One 2hr exam, assignments, quizzes.

In the Fourier Series segment, periodic phenomena such as wave motion are given a systematic treatment. The basic problem is to represent a periodic function of one variable as the sum of an infinite series of sines and cosines. The theory has extensive applications in engineering, acoustics, internal and surface waves in fluids, etc., as well as in pure mathematics. Then a review of first order equations is followed by a systematic treatment of second order equations using the methods of variation of parameters, undetermined coefficients and the theory of Laplace Transforms. Linear systems of differential equations are treated using matrices and vectors. The final part of the unit of study deals with partial differential equations with the emphasis on the application of the method of separation of variables to first and second order linear equations and on Laplace transforms for initial value problems.

MATH 2006 Nonlinear Systems and Chaos Introduction

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut & 1 computer tut/wk. **Prerequisite:** MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907) or (Credit in MATH 1011 and 1012 and 1013). **Prohibition:** MATH 2906. **Assessment:** 2hr exam, assignments, computer lab participation.

This unit of study aims to provide an introduction to the simplest cases of nonlinear dynamics and chaos and their use in modelling systems in a variety of applications taken from chemistry, biology, physiology and economics. Topics covered include first order finite difference equations, bifurcations, chaos, fractals, phase portrait analysis of one and two dimensional differential equations, fixed points, analysis of stability. The computer labs use the Mathematica software package.

MATH 2007 Analysis

4 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH (1001 or 1901 or 1906) and (1003 or 1903 or 1907) or Distinction average in MATH 1011 and 1013. **Prohibition:** MATH 2907. **Assessment:** One 2hr exam, assignments.

This unit of study is concerned with sequences and series. Topics include the definition of the limit of a sequence, the principle of monotonic convergence, elementary limit theorems, convergence of an infinite series, the comparison and integral tests; absolute convergence, the ratio test and Taylor Series. The last part is devoted to series of complex terms, dealing with power series and radius of convergence.

MATH 2008 Introduction to Modern Algebra

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisite:** MATH 2002 or 2902. **Prohibition:** MATH 2908 or 2918. **Assessment:** One 2hr exam, assignments.

The major topics in this unit of study are inner product spaces and groups. First, it treats the geometric and algebraic properties of inner product spaces and then the geometrical and combinatorial background to groups. Topics covered include the definitions and elementary properties of groups, subgroups, direct products, the permutation, symmetric and cyclic groups, isomorphisms and homomorphisms, cosets, Lagrange's theorem, conjugate elements, rotations and reflections in the plane, and symmetries of an n-gon.

MATH 2009 Graph Theory

4 credit points. **Session:** 2, Summer. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** 6 credit points of Junior Mathematics (at the Distinction level in Life Sciences units). **Assessment:** One 2hr exam, assignments, quizzes.

Graph theory is a branch of discrete mathematics with important applications in almost every branch of science, and particularly in computer science and engineering. (In graph theory, a graph is a set of points and a set of edges – not the graph of a function.)

Topics covered include: Eulerian graphs, Hamiltonian graphs, trees, shortest paths, planar graphs, colouring of graphs and maps, transport networks, activity networks, matching theory, digraphs.

Many applications are considered, and some famous graph theory problems discussed.

MATH 2010 Optimisation

4 credit points. **Session:** 2, Summer. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH (1001 or 1901 or 1906) and (1002 or 1902). **Prohibition:** ECMT 3510. **Assessment:** One 2hr exam, assignments.

This unit of study looks at practical optimisation problems. Theory developed in lectures will be complemented by workstation laboratory sessions using Matlab. Minimal computing experience will be required. Topics will be chosen from linear programming and the simplex algorithm, transportation problems, constrained and unconstrained minimisation of functions, search methods, dynamical programming, least-squares and singular-value decomposition.

MATH 2011 Topics in Discrete Mathematics

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 tut & 1 prac/wk. **Assumed knowledge:** HSC Mathematics Extension 1. **Prerequisite:** 6 credit points of Junior Mathematics. **Prohibition:** MATH (1004 or 1904). **Assessment:** One 2hr exam, assignments, quizzes.

In this unit 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 include recursion; summation techniques; recurrences and generating functions; elementary number theory, including an introduction to primality testing and cryptography; combinatorics, including connections with probability theory; asymptotics and analysis of algorithms; set theory and logic.

Textbooks

Printed notes for purchase, made available by lecturer.

MATH 2033 Financial Mathematics 1

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 tut & 0.5 comp lab/wk. **Prerequisite:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) and MATH (1005 or 1905). **Prohibition:** MATH 2933. **Assessment:** 2hr exam, quizzes, assignment, computer project.

This unit of study is an introduction to financial mathematics with the main emphasis being on mathematical and statistical techniques used to solve problems of relevance to the finance industry. Topics covered include: riskless interest rate models, present and future value factors, arbitrage, solution of general cash-flow problems in both discrete and continuous time, analysis of bonds, simple optimisation problems in finance, modelling of risky assets, expectations hypothesis, utility theory, state space security price modelling, introduction to options. Mathematical techniques include: solving difference and differential equations, advanced integration and summation techniques, linear and dynamic programming, method of Lagrange multipliers, calculation of distributions and expectations of random variables, linear algebra methods, analysis of simple random walks.

MATH 2901 Vector Calculus and Complex Var (Adv)

4 credit points. **Session:** 1. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH (1901 or 1906 or Credit in 1001) and (1902 or Credit in 1002) and (1903 or 1907 or Credit in 1003). **Prohibition:** MATH 2001. **Assessment:** One 2hr exam, assignments.

This unit of study is designed to provide the basic tools needed for studying functions of two or more real variables and also an introduction to functions of one complex variable. These subjects are fundamental to many areas of Pure and Applied Mathematics, and are essential for students in Science and Engineering courses. Topics in functions of several variables include the following: local maxima and minima, Lagrange multipliers, inverse function theorem, Jacobians, double integrals, change of variables, triple integrals, line integrals, Green's theorem, surface integrals, Stokes' theorem, triple integrals, Gauss' Theorem, multiple integrals. Elementary complex variable theory includes

complex line integrals, Cauchy's Theorem and Integral Formula, residues and real improper integrals.

MATH 2902 Linear Algebra (Advanced)

4 credit points. **Session:** 1. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Junior Mathematics, including MATH 1902 or Credit in 1002. **Prohibition:** MATH 2002. **Assessment:** One 2hr exam, assignments, three quizzes.

This unit of study is primarily concerned with linear transformations. Abstract vector spaces are introduced as the correct context in which to discuss linear transformations, and the basic structure theorems for finite dimensional vector spaces are proved. The connections between matrices and linear transformations are investigated. Determinants, introduced in first year, are revised and investigated further. Eigenvalues and eigenvectors are discussed and their usefulness for diagonalizing linear transformations is shown. Diagonalisation techniques are applied to solve simple examples of simultaneous differential equations. A partial treatment of the Jordan normal form may be included if time allows.

MATH 2903 Intro to Mathematical Computing (Adv)

4 credit points. **Session:** 1. **Classes:** 2 lec & 2 computer lab/wk. **Prerequisite:** MATH (1901 or 1906 or Credit in 1001) and (1902 or Credit in 1002) and (1903 or 1907 or Credit in 1003). **Prohibition:** MATH 2003. **Assessment:** One 2hr exam, assignments, quizzes, computer lab participation.

The content of this unit of study parallels that of MATH 2003.

MATH 2904 Lagrangian Dynamics (Advanced)

4 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH 2901 or Credit in MATH 2001. **Prohibition:** MATH 2004. **Assessment:** One 2hr exam, assignments, project.

The content of this unit of study parallels that of MATH 2004.

MATH 2905 Mathematical Methods (Advanced)

4 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH 2901 or Credit in MATH 2001. **Prohibition:** MATH 2005. **Assessment:** One 2hr exam, assignments.

This unit of study is essentially an advanced version of MATH 2005, the emphasis being on solutions of differential equations in Applied Mathematics. The theory of ordinary differential equations is developed for second order linear, including series solutions, special functions and Laplace transforms. Some use is made of computer programs such as Mathematica. Methods for partial differential equations and boundary-value problems include separation of variables, Fourier series and transforms.

MATH 2906 Nonlinear Systems and Chaos (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisite:** MATH (1901 or 1906 or Credit in 1001) and (1902 or Credit in 1002) and (1903 or 1907 or Credit in 1003). **Prohibition:** MATH 2006. **Assessment:** 2hr exam, assignments, computer lab participation.

The content of this unit of study parallels that of MATH 2006.

MATH 2907 Analysis (Advanced)

4 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH (1901 or 1906 or Credit in 1001) and (1903 or 1907 or Credit in 1003) (MATH 2901 or 2001 strongly advised). **Prohibition:** MATH 2007. **Assessment:** One 2hr exam, assignments.

The aim of the unit of study is to provide a solid grounding to the general theory of infinite processes. We study in a concrete way the limiting behaviour of sequences, series and functions via interesting and enduring examples from classical analysis. This background is essential to understanding the more abstract theories which are studied in third year and beyond, and their myriad of applications in Science, Engineering, Statistics and Economics. Topics will include convergence of sequences and series, power series of real and complex variables, uniform convergence of sequences and series of functions, and Fourier series with applications.

MATH 2918 Introduction to Modern Algebra (Adv)

4 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MATH 2902. **Prohibition:** MATH 2008 or 2908. **Assessment:** One 2hr exam, assignments & quizzes.

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 MATH 2902, 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.

The major 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 2933 Financial Mathematics 1 (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 tut & 0.5 comp lab/wk. **Prerequisite:** MATH (1901 or 1906 or credit in 1001) and MATH (1902 or credit in 1002) and MATH (1903 or 1907 or credit in 1003) and MATH (1905 or credit in 1005). **Prohibition:** MATH 2033. **Assessment:** 2hr exam, quizzes, assignment, computer project.

The content of this unit of study parallels that of MATH 2033, but students will be required to undertake all problem solving and assessment tasks at a more advanced level. Some additional topics may also be included.

Statistics Intermediate units of study

The School of Mathematics and Statistics provides Intermediate units of study, each worth 4 credit points, in Statistics. A normal Intermediate load in a discipline is 16 credit points and students intending to specialise in Senior Statistics should take the 4 units of study (16 credit points) of Intermediate Statistics.

Some topics are offered at Normal and Advanced levels and may not be counted together.

The units of study (each 4 credit points) are listed below:

February Semester

- Statistical Distributions STAT 2001
- Introduction to Probability (Advanced) STAT 2901
- Data Analysis STAT 2002

July Semester

- Estimation Theory STAT 2003
- Estimation Theory (Advanced) STAT 2903
- Hypothesis Testing STAT 2004

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 MATH 2001 or MATH 2901. Mathematics 2002 or 2902 is also desirable, in addition.

If your major interest is statistics, then you are encouraged to enrol in 4 units of study (16 credit points) in Intermediate Statistics. If you are considering doing Honours in Statistics, these units of study should include some Advanced units of study, and choices from Intermediate Mathematics should include at least Mathematics 2001 or 2901 and Mathematics 2002 or 2902.

If you do not intend to major in Statistics but want a solid introduction to Applied Statistics, you should take STAT 2002 in your first semester and STAT 2004 in your second semester. This allows you the option of continuing with STAT 3002 and STAT 3004 at Senior level.

STAT 2001 Statistical Distributions

4 credit points. **Session:** 1. **Classes:** 2 lec & 1tut/wk. **Prerequisite:** MATH (1001 or 1901 or 1906 or Credit in 1011) and [MATH (1005 or 1905 or 1015) or MATH (1004 or 1904)]. **Prohibition:** STAT 2901.

Assessment: 2hr exam, assignments, tutorial participation. Distribution theory for discrete and continuous random variables, providing the probabilistic basis for the treatment of samples.

STAT 2002 Data Analysis

4 credit points. **Session:** 1. **Classes:** 2 lec & 1tut & 1 computer lab/wk. **Prerequisite:** MATH 1005 or 1905 or 1015 (or STAT 1021 for Arts students). **Assessment:** 2hr exam, quizzes, tutorial participation, one 1hr computer practical exam.

Exploratory data analysis, simulation, bootstrapping and an introduction to the use of a statistical computing package.

STAT 2003 Estimation Theory

4 credit points. **Session:** 2. **Classes:** 2 lec & 1tut/wk. **Prerequisite:** STAT 2001 or 2901. **Prohibition:** STAT 2903. **Assessment:** 2hr exam, assignments.

Bivariate distribution theory, estimation, dependence, maximum likelihood estimation and sampling theory.

STAT 2004 Hypothesis Testing

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Assumed knowledge:** STAT 2002. **Prerequisite:** MATH (1005 or 1905 or 1015). **Assessment:** 2hr exam, quizzes, computer lab participation, one 1hr computer practical exam.

Tests of hypotheses about Normal models, including Analysis of Variance, non parametric tests, and regression theory.

STAT 2901 Introduction to Probability (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 2 tut/wk. **Prerequisite:** MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005). **Prohibition:** STAT 2001. **Assessment:** 2hr exam, assignments. Topics in STAT 2001 are treated at an Advanced level, with extensions. Introduction to the use of generating functions.

STAT 2903 Estimation Theory (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 2 tut/wk. **Prerequisite:** STAT 2901 or Credit in STAT 2001. **Prohibition:** STAT 2003. **Assessment:** 2hr exam, assignments. Topics in STAT 2003 are treated at an Advanced level, with extensions.

Mathematics Senior units of study

The School of Mathematics and Statistics provides a range of Senior units of study, each worth 4 credit points, covering a wide variety of topics in Pure and Applied Mathematics. Students may take up to 12 units of study (48 credit points) or more at Senior level. Those intending to proceed to Honours or simply to major in mathematics must take a minimum of 6 units of study (24 credit points) from the Science Discipline Area of Mathematics.

The units of study are taught at either the Normal or the Advanced level. Entry into the advanced units of study is restricted to students who have met various prerequisite conditions. Students should consult the list below for requirements of individual Advanced units of study, and seek advice from the Senior year coordinators.

The School encourages students undertaking an Advanced program to choose 3 or 4 units of study at the Advanced level.

Students wishing to keep open the possibility of undertaking an Honours year are strongly advised to consult a Senior year adviser about their choice of units of study.

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 to either. Details for each unit of study appear below, whilst full details of the 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.

It should be noted that not all units of study are offered each year and any unit may be withdrawn due to resources constraints.

Pure units of study (each 4 credit points)

Semester 1

- Algebra I (Advanced) MATH 3902
- Categories and Computer Science (Advanced) MATH 3905 (odd years only)
- Complex Variable (Advanced) MATH 3904
- Differential Geometry (Advanced) MATH 3903
- Elementary Cryptography & Protocols MATH 3024
- History of Mathematical Ideas MATH 3004
- Logic MATH 3005
- Metric Spaces (Advanced) MATH 3901
- Ordinary Differential Equations MATH 3003
- Rings and Fields MATH 3002
- Topology MATH 3001

Semester 2

- Algebra II (Advanced) MATH 3907 (even years only)
- Coding Theory MATH 3007
- Combinatorics (Adv) MATH 3912
- Financial Mathematics 2 MATH 3015
- Financial Mathematics 2 (Advanced) MATH 3933
- Geometry MATH 3006
- Group Representation Theory (Advanced) MATH 3906 (odd years only)
- Information Theory MATH 3010
- Lebesgue Integration & Fourier Analysis (Adv.) MATH 3909
- Nonlinear Analysis (Advanced) MATH 3908
- Number Theory MATH 3009
- Public Key Cryptography (Advanced) MATH 3925
- Real Variables MATH 3008

Applied units of study (each 4 credit points)

Semester 1

- Differential Geometry (Advanced) MATH 3903
- Fluid Dynamics (Advanced) MATH 3914
- History of Mathematical Ideas MATH 3004
- Mathematical Computing I MATH 3016

- Mathematical Computing I (Advanced) MATH 3916
- Partial Differential Equations and Waves MATH 3018
- Partial Differential Equations and Waves (Advanced) MATH 3921
- Signal Processing MATH 3019
- Signal Processing (Advanced) MATH 3919

Semester 2

- Coding Theory MATH 3007
- Financial Mathematics 2 MATH 3015
- Financial Mathematics 2 (Advanced) MATH 3933
- Hamiltonian Dynamics (Advanced) MATH 3917
- Information Theory MATH 3010
- Mathematical Methods (Advanced) MATH 3915
- Nonlinear Analysis (Advanced) MATH 3908
- Nonlinear Systems and Biomathematics MATH 3020
- Nonlinear Systems and Biomathematics (Advanced) MATH 3920

Relation to other units of study and recommendations

In general, 6 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.

Students intending to major in Pure Mathematics should choose at least 6 units of study from the Pure list above; 3 units of study each semester is the normal choice. Intending Honours students are strongly encouraged to include Mathematics 3901 and 3902.

Students intending to major in Applied Mathematics should choose at least 6 units of study from the Applied list above.

A double major would require a choice of 12 units of study from the lists above.

Particular combinations would be suitable for students with special interests.

Computer Science students: Mathematics 3001, 3002 or 3902, 3005, 3905, 3006, 3007, 3009, 3912, 3015 or 3933, 3016 or 3916, 3019 or 3919, 3024, 3925.

Engineering (BSc/BE) students: Mathematics 3001 or 3901, 3003, 3005, 3019 or 3919, 3903, 3904, 3007, 3008, 3010, 3908, 3909, 3015 or 3933, 3016 or 3916, 3018, 3020 or 3920, 3914, 3915, 3917, 3024, 3025.

Physics or Chemistry students: Mathematics 3001 or 3901, 3002, 3003, 3914, 3917, 3903, 3904, 3006, 3008, 3009, 3010, 3908, 3909, 3015 or 3933, 3016 or 3916, 3018, 3019 or 3919, 3020 or 3920, 3906, 3915.

Prospective teachers of Mathematics: Mathematics 3001 or 3901, 3002 or 3902, 3003, 3004, 3005, 3006, 3007, 3008, 3009, 3010, 3016 or 3916, 3018, 3019 or 3919, 3020 or 3920.

MATH 3001 Topology

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics. **Prohibition:** MATH 3901. **Assessment:** One 2hr exam, assignments.

Topology can be considered as a branch of geometry, and it has been called 'rubber sheet geometry', because it originated in the study of figures which are invariant under elastic deformations. It now forms a basic framework for fields such as functional analysis and nonlinear differential equations.

This unit of study covers a number of the more elementary aspects of both general and combinatorial topology. Topics discussed include continuous mappings and homeomorphisms, compactness, and the combinatorial classification of surfaces.

MATH 3002 Rings and Fields

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902, with 2008 or 2908). **Prohibition:** MATH 3902. **Assessment:** One 2hr exam, assignments.

This unit of study is concerned primarily with the algebraic systems such as rings and fields, which are generalizations of familiar examples such as polynomials and real numbers. It generalizes familiar notions of divisibility, greatest common divisors and primality from the integers to other rings, and considers homomorphisms and quotient structures.

MATH 3003 Ordinary Differential Equations

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902, with 2001 or 2901). **Prohibition:** MATH 3923. **Assessment:** One 2hr exam, assignments.

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 be not 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.

MATH 3005 Logic

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** (for all but BCST students) 8 credit points of Intermediate Mathematics; (for BCST students) 8 credit points of Intermediate Mathematics or 12 credit points of Junior Mathematics at Advanced level. **Assessment:** One 2hr exam, assignments.

This unit of study is mainly concerned with a general notion of computability, studied by means of Turing machines (simple abstract computers). In particular, it looks at some problems which cannot be solved by any computer. (Note: no experience with computing is required.) In the second part of the unit of study, the results from the first part are applied to mathematics itself. The conclusion is that there is no systematic way of discovering all mathematical truths.

MATH 3006 Geometry

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 1902 or 1002). **Assessment:** One 2hr exam, assignments.

Over the last 100 years or so, transformations have come to play an increasingly important role in geometry. In this unit of study, various groups of transformations are studied in some detail. Isometries, affine transformations, projective transformations, and the famous frieze groups are all discussed. The basic approach is via vectors (and matrices), emphasizing the interplay between geometry and linear algebra. Each provides insight into the other. The underlying theme of the unit is the classification of transformation groups in both Euclidean and projective planes.

MATH 3007 Coding Theory

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902). **Assessment:** One 2hr exam, assignments.

This unit of study provides a general introduction to the theory of error-correcting codes. After studying general error correcting block codes, with the aim of constructing efficient codes which can be practically implemented, it leads to the study of cyclic codes which are a special case of linear codes, with nice algebraic properties. This unit of study concludes with the construction of classes of cyclic codes that are used in the modern digital communication systems, including the code used in the compact disc player to correct errors caused by dust and scratches.

MATH 3008 Real Variables

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2007 or 2901 or 2907). **Assessment:** One 2hr exam, assignments.

The aim of this unit of study is to present some of the beautiful and practical results which continue to justify and inspire the study of analysis. The unit of study includes a review of sequence, series, power series and Fourier series. It introduces the notions of asymptotic and uniform convergence. Among topics studied are the Bernoulli numbers, Bernoulli polynomials, the Euler-Maclaurin summation formula, the Riemann zeta function and Stirling's approximation for factorials.

MATH 3009 Number Theory

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics. **Assessment:** One 2hr exam, assignments.

This unit of study is an introduction to elementary number theory, with an emphasis on the solution of Diophantine equations (that is, finding integer solutions to such equations as $x^2 + y^2 = z^2$, $x^2 - 21y^2 = 1$). Three main tools are developed: (i) the theory of divisibility and congruence (up to quadratic reciprocity), (ii) geometric methods, and (iii) rational approximation (continued fractions).

MATH 3010 Information Theory

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901 and some probability theory). **Assessment:** One 2hr exam, assignments.

This unit of study is a general introduction to the ideas and applications of information theory. The basic concept here is that of entropy, an idea which goes back more than a century to the

work of Boltzmann. Interest in the concept was enormously increased by the work of Shannon in the late 1940's. He showed that entropy was a basic property of any (discrete) probability space, and established a fundamental relation between the entropy of a randomly varying signal and the maximum rate at which the signal could be transmitted through a communication line. Another interpretation of entropy is in terms of the financial value of information to a gambler. The unit of study covers applications in both areas; topics studied include data compression, gambling strategies and investment portfolios.

MATH 3015 Financial Mathematics 2

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut & 1 lab/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics including MATH 2033 or 2933 (and strongly advise MATH 2010 and STAT (2001 or 2901)). **Prohibition:** MATH 3933. **Assessment:** One 2hr exam, quizzes, assignment, computer project.

This unit is a follow-on from the Intermediate unit MATH 2033 (Financial Mathematics 1). The first part deals with modern portfolio theory, the second part with options and derivative securities. Topics covered include: mean-variance Markowitz portfolio theory, the Capital Asset Pricing Model, Arbitrage Pricing Theory, log-optimal portfolios and the Kelly criterion; calls and puts, profit-loss profiles for option strategies, arbitrage from mispricing, binomial random walk and the CRR-option pricing model, risk-neutrality, limit to the continuous time Black-Scholes model, sensitivity analysis, introduction to exotic options and derivative securities. Mathematical and statistical methods required: theory of quadratic programming, Lagrange parameters and Kuhn-Tucker theory, linear factor models in a statistical setting, advance probability theory including distributions and expectations, introduction to random walks and stochastic processes.

MATH 3016 Mathematical Computing I

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics and one of MATH 1001 or 1003 or 1901 or 1903 or 1906 or 1907. **Prohibition:** May not be counted with MATH 3916. **Assessment:** One 2hr exam, assignments.

This unit of study provides an introductory unit of study on Fortran 95 programming and numerical methods. Topics covered include computer arithmetic and computational errors, systems of linear equations, interpolation, solution of nonlinear equations, numerical quadrature and initial value problems for ordinary differential equations.

MATH 3018 Partial Differential Equations and Waves

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH (2001 or 2901) and MATH (2005 or 2905). **Prohibition:** May not be counted with MATH 3921. **Assessment:** One 2hr exam, assignments.

After a review of ordinary differential equations this unit of study covers Sturm-Liouville eigenvalue problems and demonstrates their role in solving PDE's. The standard equations of mathematical physics, the wave equation, the diffusion (heat) equation and Laplace's equation, are treated, together with various applications.

MATH 3019 Signal Processing

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 tut & 1 lab/wk. **Prerequisite:** MATH (2001 or 2901) and MATH (2005 or 2905). **Prohibition:** May not be counted with MATH 3919. **Assessment:** One 2hr exam, assignments, computer project.

This unit of study is an introduction to the mathematical theory of Digital Signal Processing. It consists of both theory and application. A significant component of the unit of study involves computer exercises using MATLAB. Topics treated include analogue and digital signals, transforms, the spectral theory of digit signal and wavelets. Applications include sampling and aliasing, filter design and the basics of image processing.

MATH 3020 Nonlinear Systems and Biomathematics

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2003 or 2906 or 2908 or 3003) and one of MATH (1001 or 1003 or 1901 or 1903). **Prohibition:** MATH 3920. **Assessment:** One 2hr exam, assignments.

This unit of study is concerned with nonlinear ordinary and partial differential equations applied to biological systems. The applications will be drawn from predator-prey systems, transmission of diseases, chemical reactions, beating of the heart, neurons (nerve cells), and pattern formation. The emphasis is on qualitative analysis including phase-plane methods, bifurcation theory and the study of limit cycles. The unit of study will include some computer simulations as illustrations.

MATH 3024 Elementary Cryptography and Protocols

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 prac/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics. Strongly advise MATH 2008 or 2908 or 2918. **Assessment:** One 2hr exam plus assignments.

Cryptography is the branch of mathematics that provides the techniques which enable confidential information to be transmitted over public networks. This unit introduces the student to cryptography, with an emphasis on the cryptographic primitives that are in most common use today. Following a review of classical cryptosystems, modern symmetric cryptosystems (chiefly DES) and non-symmetric cryptosystems (chiefly RSA) will be studied. In the second part of the unit, these cryptographic primitives will be used to construct protocols for realising digital signatures, data integrity, identification, authentication and key distribution. An important feature of the course will be weekly exercises in practical cryptography using the Computer Algebra system Magma.

MATH 3901 Metric Spaces (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2907). **Prohibition:** MATH 3001. **Assessment:** One 2hr exam, assignments.

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.

MATH 3902 Algebra I (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2902). **Prohibition:** MATH 3002. **Assessment:** One 2hr exam, assignments.

In this unit the tools of modern algebra are developed as an introduction to Galois Theory, which deals with the solution of polynomial equations in one variable. The same tools provide an analysis of the classical problem of determining whether certain geometrical constructions, such as the trisection of a given angle, can be performed using only ruler and compasses. The unit begins with the definitions and basic properties of rings, homomorphisms and ideals, continues with an investigation of factorization in principal ideal domains such as the Gaussian integers and the ring of polynomials over a field, and concludes with a study of algebraic field extensions and their automorphisms.

MATH 3903 Differential Geometry (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901, with MATH 3001 or 3901). **Assessment:** One 2hr exam, assignments.

Differential Geometry is an important branch of mathematics in which one uses Calculus to study geometric objects, such as curves, surfaces and higher-dimensional objects. It also has close connections with classical and modern physics. This unit of study covers elementary properties of curves and surfaces in R^3 , following Do Carmo's book, leading to the celebrated Gauss-Bonnet Theorem. If time allows, either the language of differential forms will be introduced or some global theory of differential geometry will be developed.

MATH 3904 Complex Variable (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901, with MATH 3001 or 3901). **Assessment:** One 2hr exam, assignments.

This unit of study continues the study of functions of complex variables introduced in the Intermediate units of study (Mathematics 2001 or 2901) assuming some knowledge of algebra (for example, that covered in Mathematics 2008). It will be advantageous for students to also take either Mathematics 3901 Metric Spaces (Advanced), or Mathematics 3001 Topology if they intend to do this unit of study. The unit of study begins with a review of elementary properties of analytic functions, Cauchy's integral formula, isolated singularities and the calculus of residues. This will be followed by selected topics from the theory of uniform convergence, entire functions, gamma

function, zeta function, elliptic functions, harmonic functions, conformal mappings, Riemann surfaces.

MATH 3906 Group Representation Theory (Advanced)

4 credit points. **Session:** N/A in 2004. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 3902). **Assessment:** One 2hr exam, assignments.

NB: This unit is only offered in odd years only.

This topic is a natural extension of linear algebra combined with group theory. Groups occur naturally wherever there is symmetry of any kind; linear algebra is the fundamental tool of solving equations. Representation theory provides techniques for analysing symmetrical systems of equations. The central problem of the subject is the decomposition of a complicated representation into simple constituents. The remarkable theory of group characters, which provide the algebraic machinery for this decomposition, is the main topic of the unit of study.

MATH 3907 Algebra II (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH 3902 or Credit in MATH 3002, and 12 credit points of Intermediate Mathematics. **Assessment:** One 2hr exam, assignments.

NB: This unit of study is only offered in even years.

This unit deals 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, analysis of the structure of finite Abelian groups, and techniques for obtaining canonical forms for matrices. Students will be assumed to be familiar with the basic concepts of ring theory.

MATH 3908 Nonlinear Analysis (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 3901). **Assessment:** One 2hr exam, assignments.

The purpose of this unit is to give an introduction to some modern ideas in the study of nonlinear dynamical systems. We concentrate largely on one-dimensional discrete systems. The dynamics of the apparently simple systems we study turn out to be remarkably complicated. We show how seemingly elementary nonlinear maps, such as quadratic maps, give rise to fractal sets. This leads into a discussion of concepts like topological conjugacy, symbolic dynamics, chaos theory, the Sarkovskii Theorem and, in particular, bifurcations of maps. We also study how period doubling bifurcations can lead to chaos; homeomorphisms of the circle and the rotation number. We give a more general discussion of the important topic of bifurcation theory.

MATH 3909 Lebesgue Int and Fourier Analysis (Adv)

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2907 and MATH 3901). **Assessment:** One 2hr exam, assignments.

Integration is a very useful tool in many areas of mathematics. Lebesgue's theory of integration is the one used in most modern analysis, providing very general conditions under which integrals are defined. The theory is based on measure theory, which is a generalisation of the ideas of area and volume. Measure theory is also the foundation of probability theory, and is important for understanding many different subjects from quantum physics to financial mathematics. In this unit, measure theory is applied to the study of Fourier series and integrals. The first part deals with measure, outer measure, construction of measure and Lebesgue measure. The second part covers measurable functions, integration theory, Fatou's lemma, dominated convergence theorem. The third part deals with product measure, convolution, Fourier transform and Fourier inversion. The additional topics expectation, Radon-Nikodym derivative, and conditional probability may be covered, if time permits.

MATH 3912 Combinatorics (Advanced)

4 credit points. **Session:** N/A in 2004. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2902). **Assessment:** Generally one 2hr exam, assignments.

This course is an introduction to enumerative combinatorics. It begins with a study of some of the important numbers that arise in counting: binomial and multinomial coefficients, Stirling numbers, Fibonacci numbers, etc, in particular in the context of counting functions between finite sets, where functions and sets

have special properties. The main tools useful in enumeration problems, including the principle of inclusion-exclusion, generating functions, calculus of differences, are discussed. A feature of the course is a detailed account of Polya's Theory of counting classes of objects possessing some symmetry, for example isomers in chemistry, or non-isomorphic finite simple graphs.

MATH 3913 Computational Algebra (Advanced)

4 credit points. **Session:** N/A in 2004. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Intermediate Mathematics (strongly advise MATH 3002 or 3902). **Assessment:** One 2hr exam, assignments. *NB: Not offered on 2002.*

Traditional numerical computation in Science and Engineering is concerned with the solution of those problems which can be reduced to calculations involving limited precision approximations to elements belonging to the real or complex fields. By way of contrast, computational algebra is concerned with techniques for the solution of 'non-numerical' problems. Typical examples of such problems are factoring a polynomial with integer coefficients into irreducible factors, finding the indefinite integral (if it exists) of a function, and determining exact solutions of systems of polynomial equations. This unit of study examines the fundamental algorithms for performing exact computation in the ring of integers, various R-modules and polynomial rings. Applications in areas such as cryptography, indefinite integration and robotics may also be briefly reviewed.

MATH 3914 Fluid Dynamics (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH (2901 or credit in 2001) and MATH (2905 or credit in 2005). **Assessment:** One 2hr exam, assignments.

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 and Helmholtz's theorem. Topics covered include viscous flows, boundary layers, potential theory and 2-D airfoils, and complex variable methods. The unit of study concludes with an introduction to hydrodynamic stability and the transition to turbulent flow.

MATH 3915 Mathematical Methods (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH (2901 or 2905 or 2907 or 3921) or Credit in MATH (2005 or 3018). **Assessment:** One 2hr exam, assignments.

This unit of study begins with a review of analytic functions, complex integration and power series. These techniques are applied to the evaluation of real variable integrals and summation of series. The second part is a study of some of the special functions of mathematical physics in the real and complex domains. Examples include various hypergeometric functions and their connection with certain ordinary and partial differential equations, and also elliptic functions and their connection with the simple pendulum and the spinning top. The third part introduces transforms methods, generalised functions and Green's functions with applications to boundary value problems.

MATH 3916 Mathematical Computing I (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics and one of MATH 1903 or 1907 or Credit in MATH 1003. **Prohibition:** May not be counted with MATH 3016. **Assessment:** One 2hr exam, assignments.

See entry for MATH 3016 Mathematical Computing I.

MATH 3917 Hamiltonian Dynamics (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 1hr tut/wk. **Prerequisite:** MATH 2904 or Credit in MATH 2004. **Assessment:** One 2hr exam, assignments.

This unit of study provides a brief recapitulation of the essential features of Lagrange's equations and of the calculus of variations before introducing the Hamiltonian and deriving Hamilton's equations from a variational principle. Canonical transformations, that is, transformations which take a Hamiltonian system into a new Hamiltonian system, then lead in a natural way to the Hamilton-Jacobi equation of mechanics, by means of which any integrable Hamiltonian system is most readily solved. The role of action angle variables in perturbation theory is described, and a brief introduction to the onset of chaos in Hamiltonian systems is given. In the last part the use of Pontriagin's principle in optimisation and control theory is discussed.

MATH 3919 Signal Processing (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 tut & 1 lab/wk. **Prerequisite:** MATH 2905 or Credit in MATH 2005. **Prohibition:** May not be counted with MATH 3019. **Assessment:** One 2hr exam, assignments, computer project.

As for MATH 3019 but with more advanced problem solving and assessment tasks. Some additional topics may also be included.

MATH 3920 Nonlinear Systems & Biomathematics (Adv)

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2908 or 3003) and one of MATH 1903 and 1905 or 1903 and 1904 or Credit in (MATH 1003 and 1005) or MATH (1003 and 1004). **Prohibition:** MATH 3020. **Assessment:** One 2hr exam, assignments.

See entry for MATH 3020 Nonlinear Systems and Biomathematics.

MATH 3921 P D E And Waves (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH (2901 or credit in 2001) and (2905 or credit in 2005). **Prohibition:** May not be counted with MATH 3018. **Assessment:** One 2hr exam, assignments.

As for MATH 3018 but with more advanced problem solving and assessment tasks. Some additional topics may also be included.

MATH 3923 Ordinary Differential Equations (Adv)

4 credit points. **Session:** 1. **Classes:** 2 lectures & 1 tutorial per week. **Prerequisite:** MATH 2901 and MATH 2902. **Prohibition:** MATH 3003. **Assessment:** One 2hr exam, assignments, quizzes.

The theory of ordinary differential equations is a classical topic going back to Newton and Leibnitz. 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. This unit of study is an introduction to the subject covering a broad range of theoretical and applied methods. In particular, it covers some elementary methods to solve certain classes of equations. It then covers more theoretical aspect like existence and uniqueness theorems, stability of equilibria and orbits, linearization, hyperbolic critical points and the principle of linearized stability and instability for systems of first order equations. Special topics include the Bendixson negative criterion, -limit sets and limit cycles, the Poincaré-Bendixson theorem, Lyapunov functions and Lyapunov stability. Finally, power series solutions lead to an introduction to perturbation methods such as the Lindstedt-Poincaré method. All results and techniques will be illustrated by suitable examples from applications in areas like physics, biomathematics and chemistry.

MATH 3925 Public Key Cryptography (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 2 prac/wk. **Prerequisite:** 12 credit points from Intermediate or senior mathematics. Strongly recommend MATH 3902. **Assessment:** One 2hr exam plus assignments.

Public Key Cryptography (PKC) enables two parties to communicate securely over a public communications network, without them first having to exchange a secret key. PKC provides secure communications over the Internet, over mobile phone networks and in many other situations. This course draws on ideas from algebra, number theory and geometry to provide the student with a thorough grounding in the mathematical basis of the most popular PKC's. Specifically, the unit treats PKC's based on the difficulty of integer factorization (RSA), the discrete logarithm problem in a finite field (Diffie-Hellman, ElGamal) and the discrete logarithm problem in the group of rational points of an elliptic curve over a finite field. Attacks on these cryptosystems will be treated in some depth.

MATH 3933 Financial Mathematics 2 (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 lab & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Mathematics including MATH 2933 or Credit in MATH 2033 (and strongly advise MATH 2010 and STAT (2001 or 2901)). **Prohibition:** MATH 3015. **Assessment:** One 2hr exam, quizzes, assignment, computer project.

As for Math 3015 but with more advanced problem solving and assessment tasks. Some additional topics may also be included.

Statistics Senior units of study

The School of Mathematics and Statistics provides several Senior units of study, each worth 4 credit points, in Statistics. Students wishing to major in Statistics should take 6 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 4 credit points) are listed below:

February Semester

- Distribution Theory and Inference STAT 3001
- Applied Linear Models STAT 3002
- Time Series Analysis STAT 3003
- Statistical Theory (Advanced) STAT 3901
- Linear Models (Advanced) STAT 3902

July Semester

- Design of Experiments STAT 3004
- Applied Stochastic Processes STAT 3005
- Sampling Theory and Categorical Data STAT 3006
- Design of Experiments (Advanced) STAT 3904
- Markov Processes (Advanced) STAT 3905
- Multivariate Analysis (Advanced) STAT 3907

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 6 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 3 units of study of Senior Statistics each semester, making 24 credit points in total.

STAT 3001 Distribution Theory and Inference

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH (1003 or 1903 or 1907) and STAT (2003 or 2903). **Prohibition:** STAT 3901. **Assessment:** One 2hr exam, assignments. Multivariate distribution theory and linear transformations of variables. Properties of estimators, uniformly most powerful tests and likelihood ratio tests.

STAT 3002 Applied Linear Models

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Prerequisite:** STAT 2004 (or STAT 1022 for Arts students) and MATH (1002 or 1902). **Prohibition:** May not be counted with STAT 3902. **Assessment:** One 2hr exam, assignments, one 1hr computer practical exam. Multiple regression, diagnostics, principal components, MANOVA, discriminant analysis.

STAT 3003 Time Series Analysis

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Prerequisite:** STAT (2003 or 2903). **Prohibition:** May not be counted with STAT 3903. **Assessment:** One 2hr exam, assignments. Modelling and analysing time-dependent situations containing some dependence structure, ARMA models.

STAT 3903 Time Series Analysis (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 computer class & 1 lec/tut/wk. **Prerequisite:** STAT 2903 or credit or better in STAT 2003. **Prohibition:** May not be counted with STAT 3003. **Assessment:** One 2hr exam, assignments. The topics in STAT 3003 are treated at an Advanced level along with an introduction to spectral analysis.

STAT 3004 Design of Experiments

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Prerequisite:** STAT (3002 or 3902). **Prohibition:** May not be counted with STAT 3904. **Assessment:** One 2hr exam, assignments, one 1hr computer practical exam. Design and analysis of controlled comparative experiments, block designs, Latin squares, split-plot designs, 2ⁿ factorial designs.

STAT 3904 Design of Experiments (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 computer class & 1 lec/tut/wk. **Prerequisite:** STAT 3902 or credit or better in STAT 3002. **Prohibition:** May not be counted with STAT 3004. **Assessment:** One 2hr exam, assignments. Topics in STAT 3004 are treated at an Advanced level, with extensions including response surfaces and cross-over designs.

STAT 3005 Applied Stochastic Processes

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** MATH (1003 or 1903 or 1907) and STAT (2001 or 2901). **Prohibition:** STAT 3905. **Assessment:** One 2hr exam, assignments. Discrete and continuous time Markov chains, introduction to Brownian motion.

STAT 3006 Sampling Theory and Categorical Data

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisite:** STAT 2003 or 2903. **Assessment:** One 2hr exam, assignments. Sampling without replacement, stratified sampling, ratio estimation, systematic and cluster sampling, contingency tables, log linear models.

STAT 3901 Statistical Theory (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec & 2 tut/wk. **Prerequisite:** (MATH 2001 or 2901) and STAT 2903. **Prohibition:** STAT 3001. **Assessment:** One 2hr exam, assignments. Topics in STAT 3001 are treated at an Advanced level, with extensions.

STAT 3902 Linear Models (Advanced)

4 credit points. **Session:** 1. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisite:** STAT 2004 and (STAT 2903 or Credit in 2003) and (MATH 2002 or 2902). **Prohibition:** May not be counted with STAT 3002. **Assessment:** One 2hr exam, assignments, one 1hr computer practical exam. Topics in STAT 3002 are treated at an Advanced level, with extensions.

STAT 3905 Markov Processes (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec & 2 tut/wk. **Prerequisite:** STAT 2901 or (Credit in STAT 2001 and MATH (1003 or 1903 or 1907)). **Prohibition:** STAT 3005. **Assessment:** One 2hr exam, assignments. Topics in STAT 3005 are treated at an Advanced level, with extensions.

STAT 3907 Multivariate Analysis (Advanced)

4 credit points. **Session:** 2. **Classes:** 2 lec, 1 tut/wk. **Prerequisite:** STAT 3902 and either STAT (3001 or 3901). **Assessment:** One 2hr exam, assignments. This unit of study studies the analysis of data on several variables measured simultaneously and multivariate distribution theory.

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. 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 1005 Language and Image

6 credit points. Dr Harbus. **Session:** 1, 2. **Classes:** One 1hr lecture and one 2hr workshop. **Prohibition:** 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 Introduction to Media Studies 1

6 credit points. A/Professor Lumby. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Assessment:** One 1500wd essay(40%);one 600wd seminar paper(20%)one 2hr exam (40%).

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

Gill Branston and Roy Stafford, *The Media Student's Handbook* (2nd Edition), Routledge, London, 1999

Stuart Cunningham and Graeme Turner (eds), *The Media and Communications in Australia*, Allen and Unwin, Sydney, 2001.

Students are also required to purchase a reader from the Copy Centre

MECO 1003 Principles of Media Writing

6 credit points. Ms Crawford. **Session:** 1. **Classes:** Three hours per week. **Prohibition:** MECO 2002. **Assessment:** One print media news article of 500wds (20%), one radio or television script for a two minute news item (20%), one print media feature article of 1200wds (30%), one takehome exam (30%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit will give students a grounding 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 news items, and be introduced to the principles of interviewing and journalistic research. They will also acquire a basic knowledge of the evolution of print media and its formats.

GOVT 2303 Media Politics

8 credit points. **Session:** N/A in 2004. **Prerequisite:** Two GOVT 1000 level units of study or MECO 2003. **Assessment:** Essay; Exam; Participation.

'This unit is primarily about news < its production, contents and impacts. It will examine the special demands of different news organisations and of reporting different news areas; the news media as an arena in political conflicts and the consequent interests and strategies of various groups in affecting news content; and the impacts of news on political processes and relationships. Our primary focus is on Australia, but there is some comparison with other affluent liberal democracies. The substantive areas the course will focus on include election reporting, scandals and the reporting of war and terrorism.

MECO 2001 Radio Broadcasting

8 credit points. Ms Dunn. **Session:** 1. **Classes:** One 2 hour lecture and one 2 hour workshop. **Prerequisite:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005.

Assessment: One 2000 word essay, one production diary, radio script and final work, 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 theory and practice of radio production, by combining theoretical analysis with practical experience. The course looks at the history and contemporary status of radio and considers such concepts as news values and the role of the Internet in audio broadcasts. The course has a strong practical component in which students will research, script, record and edit a radio news magazine item. They will also analyse radio and online broadcast texts.

Textbooks

Phillips, G and Lindgren, M (2002) *Australian Broadcasting Journalism Manual*, Oxford University Press. Students are also required to purchase a reader from the University Copy Centre.

MECO 2002 Writing for Print Media

8 credit points. Associate Professor Lumby. **Session:** N/A in 2004.

Classes: One 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005. **Prohibition:** MECO 1003. **Assessment:** Two 500wd news stories, two 1500wd feature articles.

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit of study will equip students with practical writing skills required in the mainstream print and online media. It covers the basics of news writing, feature writing, and writing for online publications. Students will be required to research and write articles and to critically analyse material drawn from the contemporary print and online media. They will also study the history of print media forms and learn to critically evaluate articles drawn from the contemporary print and online media in weekly seminars.

MECO 2003 Media Relations

8 credit points. Mr Stanton. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS 1005.

Assessment: 2500 wds of practical assignments, one 1500wd essay.

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 media, the corporate sector, government and not for profit industries. It will undertake critical analysis of the historical and contemporary relationships between the media and public relations and attempt to contextualise the practical and theoretical place of both in the public sphere. Students will analyse and evaluate material drawn from the media and public relations, while learning the practical skills necessary to undertake media relations at a professional level.

MECO 3001 Video Production

8 credit points. Ms Dunn. **Session:** 1, 2. **Classes:** One 2hr lecture, one 2hr workshop. **Prerequisite:** 12 junior credit points of MECO units; ENG1005 or ENGL 1050 or LNS1005. **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 Commun) and BSc (Media & Commun) students only.

This unit builds on knowledge and skills acquired in media studies, writing and radio units. It introduces students to the history, theory and practice of video production, both field and studio based. The unit will equip students with practical skills in planning, researching and budgeting a video production, as well as with skills in digital camera operation, video recording and digital video editing using desktop software. The unit emphasises information-based programming (news, current affairs, corporate video, documentary and infotainment). Students will be expected to produce short video items.

Textbooks

Mollison, Martha (2003). *Producing Videos: A Complete Guide*. 2nd edition. AFTRS/Allen & Unwin: Sydney. Students are also required to purchase a reader from the University Copy Centre.

MECO 3002 Online Media Production

8 credit points. Ms Crawford. **Session:** 2. **Classes:** one 2hr lecture, one 2hr tutorial. **Prerequisite:** MECO 3001. **Assessment:** One four-page Web site worth 50 per cent; One production log (10%); One two hour exam (30%); One Web site proposal (5%); Tutorial participation (5%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit will examine the emerging role of the Internet 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 critical 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

Gauntlett, David, *Web.Studies*, Arnold, London, 2002

Students are also required to purchase a reader from the Copy Centre.

MECO 3003 Media, Law and Ethics

8 credit points. Ms Dunn. **Session:** 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of MECO units; ENGL 1005 or ENGL 1050 or LNGS 1005. **Assessment:** One 800wd court report for original research (30%), 1500 wd tutorial paper (30%), 2 hr exam (30%), participation & attendance (10%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

MECO 3003 will introduce students to key legal and ethical issues relevant to journalism. 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 the structure of Australia's legal system and to those aspects of the law that impinge on the work of media professionals.

Textbooks

Patterson, P and Wilkins, L (2002) Media Ethics: Issues and Cases, McGraw-Hill

Pearson, Mark (2004) The Journalist's Guide to Media Law, Allen and Unwin

MECO 3005 Media Globalisation

8 credit points. Mr Stanton. **Session:** 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisite:** 12 junior credit points of MECO units; ENG1005 or ENGL 1050 or LNGS 1005.

NB: NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only

This unit develops students' understanding of key issues and debates in Australia relation to the concept of globalisation. It covers the history to the present day of the regulation of the media in Australia, including such issues as foreign and cross-media ownership laws, spectrum allocation, and the regulatory environment. Students will explore the nature of globalisation, as it affects the media, considered both as public cultural forms and as political-industrial organisations.

SCMP 3001 Internship Practice

8 credit points. **Session:** 1. **Prerequisite:** MECO 3002 and 3003.

Assessment: Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through workplace supervisor reports both mid placement and at the end of the internship. The internship is assessed on a satisfactory/unsatisfactory basis.

NB: Available to BSc(Media & Commun) students 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 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

SCMP 3002 Internship Project

8 credit points. **Session:** 2. **Prerequisite:** MECO 3002 and 3003.

Corequisite: SCMP 3001. **Assessment:** Students will be required to submit a professional journal regarding their internship, including a critical reflection on their experience (4000 words). 4000 word research essay or equivalent production piece.

NB: Available to BSc(Media & Commun) students only.

The Internship Project offers students the opportunity to reflect on their internship. 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 3000 word research paper, with the approval of the Science Media & Communications Program supervisor. This piece must be in addition to any production pieces completed as part of the internship.

■ 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 qualifying, pre- 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 2501 Cells and Cell Communication

6 credit points. A/Prof Robin Allan (Pharmacology). **Session:** 1. **Classes:** Average 6 hrs/wk of lectures, tutorials and practicals. **Prerequisite:** 12 credit points of Junior Mathematics, 12 credit points of Junior Chemistry, 12 credit points of Junior Physics, and 12 credit points of Junior Biology or

12 credit points of Junior Computer Science or 12 credit points of Junior Psychology. **Assessment:** One 3hr theory exam, practical tests, reports, assignments.

A strong understanding of cellular structures and communication systems is essential for an appreciation of whole body function. This unit of study extends students' preexisting understanding of basic cell structure by focussing on organelle function, cell specialisation and tissue organisation in humans. By way of contrast, there is also discussion of the unique morphology of prokaryotic organisms (bacteria and viruses). Students are then introduced to the ways in which biochemical building blocks are arranged to form macromolecular subcellular structures (eg, phospholipids into cell membranes, and amino acids into proteins). 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. The various modes of communication between cells are then covered, with extended treatment of receptor-effector signal transduction, intracellular signaling cascades, cell to cell signaling and pharmacological intervention in these processes.

Practical classes not only complement the lecture material but also introduce students to a wide range of technical skills: including biomedical bench skills, tissue processing, bacterial cultivation, manipulation of 3D protein graphics (including drug-receptor interactions), protein purification, and enzyme assay. In addition, the sessions are also designed to give students generic skills such as record keeping, data collection and presentation, protocol planning, spreadsheet design and written communication.

BMED 2502 Genes and Genetic Engineering

6 credit points. A/Prof Arthur Conigrave(Biochemistry). **Session:** 1.

Classes: Average 6 hrs/wk of lectures, tutorials and practicals.

Prerequisite: 12 credit points of Junior Mathematics, 12 credit points of Junior Chemistry, 12 credit points of Junior Physics, and 12 credit points of Junior Biology or 12 credit points of Junior Computer Science or 12 credit points of Junior Psychology. **Assessment:** One 3hr theory exam, practical tests, reports, assignments.

This unit of study is designed to teach students how genetic information is stored, transmitted and expressed. Students are also introduced to DNA technologies such as cloning and gene therapy as well as receiving an overview of cellular development and embryology. Specifically, the unit of study covers the structure of DNA at both the molecular and chromosomal level, with extrapolation to the packaging, replication and transfer of genetic material. The way in which the message encoded in DNA is transcribed and translated into proteins is then outlined, with particular emphasis on eucaryotic systems and on the control of the expression process. The principles of cloning, gene synthesis, protein engineering and other aspects of modern DNA technology are then described, enabling an appreciation of the application of transgenics, gene therapy and the use of DNA technology in drug design. Students then study the linkage and mapping of genes including reference to DNA fingerprinting and the human genome project. 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 development of the human embryo and the consequences and treatment of abnormal tissue growth (cancer).

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 2503 Regulation of the Internal Environment

8 credit points. Mrs Francoise Janod-Groves (Physiology). **Session:** 1.

Classes: Average 8 hrs/wk of lectures, tutorials and practicals.

Prerequisite: 12 credit points of Junior Mathematics, 12 credit points of Junior Chemistry, 12 credit points of Junior Physics, and 12 credit points of Junior Biology or 12 credit points of Junior Computer Science or 12 credit points of Junior Psychology. **Assessment:** One 3hr theory exam, practical tests, reports and assignments.

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, renal, endocrine and nervous systems. Special reference is made throughout the unit of study to the effect of

drugs on homeostatic components. For example, as part of the discussion on the structure and function of the heart and blood vessels, students are also taught about the effect of drugs on the cardiac output, blood flow and blood pressure. Examples of how homeostatic mechanisms are perturbed in disease are also emphasised (eg, with reference to cardiovascular pathology). Discussion of the respiratory system likewise embraces the structure of the respiratory organs, description of the mechanism of the transport of gases to and from cells and the pharmacotherapy of respiratory disorders (eg, asthma). Similar treatment of the renal system involves anatomical and histological investigation of kidney structure and a physiological description of kidney function with reference to the regulation of pH, PO₂ and temperature of the extracellular fluid. After this, the action of drugs (including diuretic drugs) on the kidney is discussed. Examples of more long-term regulation is provided by consideration of the hormonal control of pregnancy, and the foetal-new-born transition.

Practical classes are designed to nurture the same generic attributes taught in BMED 2501 and BMED 2502 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 endocrine organs, 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 nerve impulses are transmitted, 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. Similarly, study of the pathology of the homeostatic organs will be complemented using tissue samples and slides.

BMED 2504 Digestion, Absorption and Metabolism

6 credit points. Dr Margot Day (Physiology). **Session:** 2. **Classes:** Average 6 hrs/wk of lectures, tutorials and practicals. **Prerequisite:** 12 credit points of Junior Mathematics, 12 credit points of Junior Chemistry, 12 credit points of Junior Physics, and 12 credit points of Junior Biology or 12 credit points of Junior Computer Science or 12 credit points of Junior Psychology. **Assessment:** One 3hr theory exam, practical tests, reports, assignments.

This unit of study gives an introduction to the structures used to digest and absorb fuels, at both the anatomical and histological level. This is then followed by discussion of the utilisation and fate of absorbed nutrients. After an overview of the alimentary tract and associated organs, the detailed anatomy of the oral cavity, oesophagus, stomach, intestines, liver, etc is considered. This is complemented by description of the specialised cell types in the digestive system, discussion of the transport mechanisms employed to absorb nutrients, and consideration of the control systems used to regulate activity of the digestive process. The 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 is then covered, with particular emphasis on the whole body integration and regulation of these metabolic processes. This enables students to appreciate the extent of organ coordination in response to circumstances such as starvation, obesity, exercise and diabetes. It also provides a solid background for the understanding of pharmacological intervention in these conditions. The pharmacokinetic angle is explored further with discussion of the metabolism and absorption of drugs including the detoxification and excretion of xenobiotic compounds. Intestinal microflora, both beneficial and pathogenic are also discussed in this unit of study.

Practical classes give students extensive experience with inspection of the digestive system at both the cellular and gross anatomical level. In addition, students are taught radioisotope handling and biochemical assay design skills in concert with sessions designed to nurture oral presentation skills, hypothesis testing, data analysis, troubleshooting, instruction writing and feedback skills.

BMED 2505 Interaction with External Environment

6 credit points. Dr Richard Ward (Anatomy & Histology). **Session:** 2. **Classes:** Average 6 hrs/wk of lectures, tutorials and practicals. **Prerequisite:** 12 credit points of Junior Mathematics, 12 credit points of Junior Chemistry, 12 credit points of Junior Physics, and 12 credit points of Junior Biology or 12 credit points of Junior Computer Science or 12 credit points of Junior Psychology. **Assessment:** One 3hr theory exam, practical tests, reports, assignments.

This unit of study examines how neural and motor systems are adapted to sense and respond to changes in the external environment. After consideration of the basic anatomical organisation of the nervous and sensory systems, the way in which nerve signals are integrated and coordinated in response to external stimuli are covered in more detail. This is complemented by discussion of the effects of drugs on the nervous system, particularly addictive and psychoactive compounds, with special reference to pain and analgesics. The structure and function of skeletal muscle is covered at both a histological and anatomical level and has been designed to integrate with information regarding the skeleton and movement. After discussion of the molecular mechanism of muscle contraction, students extrapolate to consider the regulation of fuel selection during exercise and the cause of fatigue. This leads onto discussion of performance enhancing drugs, and to an appreciation of how toxins and infections can perturb the normal neuromuscular coordination. Thus pharmacological and pathological considerations, such as the use of poisoned arrows and muscle paralysis, prion and tetanus infection, are studied in concert with relevant physiological and biochemical concepts.

In practical classes, students perform experiments (often on themselves) to illustrate the functioning of the senses and motor control and coordination. 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 computer simulations in synaptic transmission, the detection of opioids and the isolation and identification of tetanus bacteria.

BMED 2506 Microbes and Body Defence Systems

8 credit points. Mrs Helen Agus (Microbiology). **Session:** 2. **Classes:** Average 8 hrs/wk of lectures, tutorials and practicals. **Prerequisite:** 12 credit points of Junior Mathematics, 12 credit points of Junior Chemistry, 12 credit points of Junior Physics, and 12 credit points of Junior Biology or 12 credit points of Junior Computer Science or 12 credit points of Junior Psychology. **Assessment:** One 3hr theory exam, practical tests, reports, assignments.

For a full understanding of human defence systems, 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 starts with a description of the structure and function of pathogenic microorganisms (including bacteria, fungi, protists, and viruses, etc). The impact of bacteria and viruses on individuals and society is taught with reference to specific infectious diseases (eg, influenza, polio, herpes, etc) and this leads into an introduction to epidemiology. Included in discussion of the way in which these organisms cause and transmit disease is a consideration of how antibiotics and antiviral drugs work and how microbes can become drug resistant. 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. 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.

Practical classes allow students to obtain experience in a range of classical and molecular virological, bacteriological and immunological techniques. In an integrated session, students examine the infection, immunity and pathology of tuberculosis. Also included are tutorial sessions in which hospital microbiologists guide students through clinical case studies. In addition, the practical sessions draw widely on, and nurture, the generic skills taught in preceding units of study.

Textbooks

Prescott L M, Harley J P & Klein D A. Microbiology. 5th edn. McGraw-Hill, 2002

Bachelor of Medical Science Intermediate and Senior Elective units of study

All students in the Bachelor of Medical Science must take at least 8 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 normally taken in the Intermediate year. If they choose students can count a further 12

credit points of elective units (taken in the Senior year) towards their degree.

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.

Typical patterns of elective enrollment are:

Example 1:

- Year 2: Semester 1–4 credit points Intermediate Elective
- Year 2: Semester 2–4 credit points Intermediate Elective
- Year 3: Four 12 credit point Senior Medical Science units

Example 2:

- Year 2: Semester 1–6 credit points Junior Elective
- Year 2: Semester 2–6 credit points Junior Elective
- Year 3: Three 12 credit point Senior Medical Science units + 8 CP Intermediate Elective

Students may not take additional units in medical science discipline area units in order to meet the elective requirements. In particular students may not enroll in any of the following subjects:

Anatomy and Histology

- ANAT 2001 Principles of Histology
- ANAT 2002 Comparative Primate Anatomy
- ANAT 2003 Concepts in Neuroanatomy
- ANAT 2004 Principles of Development

Biochemistry

- BCHM 2011 Biochemistry
- BCHM 2002 Molecules, Metabolism and Cells
- BCHM 2102 Molecules, Metabolism and Cells Theory
- BCHM 2902 Molecules, Metabolism and Cells (Advanced)

Biological Sciences

- BIOL 2006 Cell Biology
- BIOL 2906 Cell Biology (Advanced)
- BIOL 2106 Cell Biology – Theory

Immunology

- IMMU 2001 Introductory Immunology

Microbiology

- MICR 2001 Introductory Microbiology
- MICR 2002 Applied Microbiology
- MICR 2003 Theoretical Microbiology A
- MICR 2004 Theoretical Microbiology B
- MICR 2901 Introductory Microbiology (Advanced)
- MICR 2902 Applied Microbiology (Advanced)

Molecular Biology and Genetics

- MBLG 2001 Molecular Biology & Genetics A
- MBLG 2101 Molecular Biology & Genetics A (Theory)
- MBLG 2901 Molecular Biology & Genetics A (Advanced)
- MBLG 2002 Molecular Biology & Genetics B
- MBLG 2102 Molecular Biology & Genetics B (Theory)
- MBLG 2902 Molecular Biology & Genetics B (Advanced)

Pharmacology

- PCOL 2001 Pharmacology Fundamentals
- PCOL 2002 Intro Pharmacology: Drugs and People
- PCOL 2003 Pharmacology: Drugs and Society

Physiology

- PHSI 2001 Introductory Physiology A
- PHSI 2002 Introductory Physiology B
- PHSI 2101 Physiology A
- PHSI 2102 Physiology B

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 enrollment 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.

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 where the unit begins with a BMED code, and under the relevant department headings in this chapter where the units are offered by other Schools/Departments in the faculty.

BMED 3003 Immunology

12 credit points. Dr Helen Briscoe. **Session:** 2. **Classes:** 3 lec, 1 tut & 8 prac/wk. **Prerequisite:** 32 credit points of Intermediate BMED units including BMED 2506. **Prohibition:** IMMU 3002. **Assessment:** Exam, essays, prac.

This unit of study will be taught by the Immunology unit of the Department of Medicine, with contributions from the Centenary Institute of Cancer Medicine and Cell Biology and other invited experts in the discipline. The unit will provide a comprehensive understanding of the components of the immune system at the molecular and cellular levels; the mechanisms of pathological immune processes; immune system dysfunction; and, immunological techniques used in clinical diagnostic and research laboratories.

BMED 3004 Infectious Diseases

12 credit points. A/Prof C Harbour. **Session:** 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 32 credit points of Intermediate BMED units including BMED 2506. **Assessment:** Essays, tutorials, seminars, practical assessment and theory exam.

This unit of study is taught by the Department of Infectious Diseases, Faculty of Medicine, which is located on the 6th floor of the Blackburn building (Ph: (02) 9351 2412). A major aim of the unit is to study the interactions between infectious agents and their human hosts in order to understand how infectious disease occurs.

The rationale for this approach is that the elucidation and understanding of the mechanisms by which infectious agents cause disease should lead to the development of more rational control strategies. Knowledge of the causes of the most important infectious diseases is acquired by studying case histories in extended tutorial/demonstration sessions, lectures and self-directed learning. The lecture series also covers other topics including mechanisms of pathogenesis, replication strategies, epidemiology, and infection control procedures. Practical sessions are designed to maintain and improve the technical skills appropriate for the handling of infectious agents that you acquired in the core units. Theme sessions are used to demonstrate and explain the conceptual framework underpinning the most important practical procedures used in ID today.

Bachelor of Medical Science Senior Elective units of study

For information regarding senior electives see details above under the title: 'Bachelor of Medical Science Intermediate and Senior Elective units of study'.

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 prerequisites for the Senior units of study. Refer to Table 1 for an enrolment guide and to entries under the contributing schools and departments for unit descriptions.

■ Microbiology

The discipline of Microbiology in the School of Molecular and Microbial Biosciences offers units of study that equip students for a career in Microbiology in fields of health, industry and basic research.

In addition, it provides introductory units of study to students of agriculture, pharmacy and science. These units of study will help students who wish to specialise in related fields where microorganisms are often used in studying life processes – eg, biochemistry, genetics and botany.

Microbiology Intermediate units of study

MICR 2001 Introductory Microbiology

8 credit points. Dr Peter New. **Session:** 1. **Classes:** 3 lec, 1 tut & 4 prac/wk. **Prerequisite:** 6 credit points of Junior Chemistry. **Qualifier:** 6 credit points of Junior Biology. **Prohibition:** MICR (2003 or 2901). **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: It is highly recommended that students complete 12 credit points of Junior Biology and MBLG (2001 or 2101 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 – eg, 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 (soil, aquatic and agricultural microbiology, 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. 5th edn, WCB/McGraw-Hill, 2002

MICR 2002 Applied Microbiology

8 credit points. Dr Peter New. **Session:** 2. **Classes:** 3 lec, 1 tut & 4 prac/wk. **Prerequisite:** MICR (2001 or 2901). **Prohibition:** MICR (2004 or 2902). **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

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 2001 or 2901.

The lectures cover two broad topics: molecular microbiology of the organism and microbial biotechnology and applications. The molecular microbiology covers aspects of microbial genetics, the structure and functioning of procaryotic cells and aspects of microbial taxonomy and microbial evolution.

The microbial biotechnology section covers food 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. Excursions to industrial concerns are included.

Work experience

On completion of MICR 2002 students will be offered the opportunity to undertake work experience for approximately one month in a microbiology laboratory of choice (hospital, food, research, environmental etc).

Textbooks

As for MICR 2001

MICR 2003 Theoretical Microbiology A

4 credit points. Dr Peter New. **Session:** 1. **Classes:** 3 lec/wk. **Qualifier:** 6 credit points of Junior Biology. **Prohibition:** MICR (2001 or 2901). **Assessment:** One 2 hr exam.

NB: It is highly recommended that students complete 12 credit points of Junior Biology and MBLG (2001 or 2101 or 2901).

This unit of study is suitable for students who are majoring in other aspects of biology and wish to acquire a broad background knowledge in microbiology. Students attend the same lectures as those enrolled in MICR 2001. There is no practical or tutorial component.

Textbooks

As for MICR 2001

MICR 2004 Theoretical Microbiology B

4 credit points. Dr Peter New. **Session:** 2. **Classes:** 3 lec/wk. **Prerequisite:** MICR (2001 or 2003 or 2901). **Prohibition:** MICR (2002 or 2902). **Assessment:** One 2hr exam.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study is suitable for students who are majoring in other aspects of biology and wish to expand their knowledge of microbiology beyond that acquired in MICR 2001, 2003 or 2901 with further theoretical considerations of the subject. Students attend the same lectures as those enrolled in MICR 2002. There is no practical or tutorial component.

Textbooks

As for MICR 2001

MICR 2901 Introductory Microbiology (Advanced)

8 credit points. Dr Peter New. **Session:** 1. **Classes:** 3 or 4 lec, 1 tut & 3 or 4 prac/wk. **Qualifier:** 6 credit points of Junior Chemistry and Distinction in 6 credit points of Junior Biology. **Prohibition:** MICR (2001 or 2003). **Assessment:** As for MICR 2001, plus 1.5 hr exam.

NB: It is highly recommended that students complete 12 credit points of Junior Biology and MBLG (2001 or 2101 or 2901).

This unit of study will be available to students who have performed well in the Biology and Chemistry Junior units of study. The unit of study is based on MICR 2001 with alternative components. The content and nature of these components may vary from year to year. Selection criteria for entry into the unit of study will be available from the coordinator at the time of enrolment.

Textbooks

As for MICR 2001.

MICR 2902 Applied Microbiology (Advanced)

8 credit points. Dr Peter New. **Session:** 2. **Classes:** 3 or 4 lec, 1 tut & 3 or 4 prac/wk. **Qualifier:** Distinction in MICR (2001 or 2901). **Prohibition:** MICR (2002 or 2004). **Assessment:** As for MICR 2002 plus one 1.5hr exam.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The unit of study is based on MICR 2002 with alternative components. The content and nature of these components may vary from year to year.

Textbooks

As for MICR 2001

MICR 2011 Introductory Microbiology (Nutrition)

4 credit points. Dr Peter New. **Session:** 1. **Prerequisite:** BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903) and 6 credit points of Junior Chemistry. **Assessment:** One 1.5hr theory exam, prac exam, continuous assessment in prac, one assignment.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Nutrition) only.

This unit of study aims to give the students some background knowledge and technical skills to provide a foundation for further study of the applied aspects of microbiology.

Topics covered include methodology, a comparative study of the major groups of bacteria, a detailed study of bacteria including their structure, classification and identification, growth, death and control. The practical component focuses on basic, safe microbiological techniques, the principles of asepsis, and the use of these to study examples of microbial activity which are illustrative of the lecture course.

Textbooks

Prescott L M et al. Microbiology. 5th edn, WCB/McGraw-Hill, 2002

MICR 2012 Applied Microbiology (Nutrition)

4 credit points. Dr Peter New. **Session:** 2. **Prerequisite:** MICR 2011. **Prohibition:** MICR (2002 or 2902 or 2004). **Assessment:** One 1.5 hr theory exam, one 3hr prac exam, continuous assessment in prac, one assignment.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Nutrition) only.

This unit of study is designed to expand the understanding of, and technical competence in microbiology, building on the skills and knowledge acquired in MICR 2011. The lectures cover aspects of applied microbiology. Food microbiology covers production, spoilage and preparation as well as the safety of food

and aspects of public health. Medical microbiology deals with host-parasite relationship, host defence mechanisms, epidemiology of selected diseases, transmission of disease and prevention and control of disease.

Practical classes enable the study of materials which complement and supplement the lecture topics.

Textbooks

As for MICR 2011

MICR 2909 Fundamental and Applied Microbiology Adv

8 credit points. Dr Peter New. **Session:** 2. **Classes:** 3 lec, 1 tut & 4hr prac/wk & 9 advanced seminars. **Prerequisite:** 12 credit points of Junior Chemistry and BIOL 1901 and (1904 or 1905). **Prohibition:** MICR (2001, 2002, 2901, 2902, 2003 or 2004). **Assessment:** One 2hr and one 1hr exam, continuous assessment, prac exam, one assignment.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only.

This unit of study is designed to provide students with the knowledge and technical skills needed to understand and manipulate microorganisms as part of the field of molecular biology and genetics. In the first part of the unit of study, students are introduced to the nature and scope of microbiology, and to practical methods for handling and analysing microorganisms. The latter part of the unit focuses on the role of microorganisms in health and disease, and on industrial processes involving microorganisms, including recombinant DNA products, biocontrol agents and bioremediation. An advanced seminar series accompanies the latter part of the unit, and focuses on recent research topics in molecular microbiology.

Textbooks

As for MICR 2001

Microbiology Senior units of study

MICR 3001 General and Medical Microbiology

12 credit points. Mrs Helen Agus. **Session:** 1. **Classes:** 3 lec, 8 prac & 1 other/wk. **Prerequisite:** MBLG (2001 or 2101 or 2901) and [12 credit points of Intermediate MICR units or MICR (2011 and 2012) or MICR 2909]. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2506. **Prohibition:** MICR 3901. **Assessment:** One 2hr exam and one 1hr exam, essay, prac.

General Microbiology includes three themes: 1. Microscopy: factors controlling image quality in the light microscope, optical aberrations, objectives and the visualisation of transparent phase objects; 2. Bacterial growth and metabolism: how bacteria grow under different environmental constraints, growth rate and nutrient uptake, aerobic and anaerobic growth, and growth under stress; 3. Microbial ecology: the expansion of microbial ecology resulting from recent advances in molecular biology, the ecological view of disease. Medical Microbiology is divided into three themes: 1. Infections of body systems: bacterial and viral 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.

MICR 3002 Molecular/Environmental Microbiology

12 credit points. Dr Tom Ferenci and Dr Dee Carter. **Session:** 2. **Classes:** 3 lec, 8 prac, & 1 other/wk. **Prerequisite:** 12 credit points of Intermediate Microbiology and MBLG (2101 or 2001 or 2901). **Prohibition:** MICR (3902, 3004 or 3904). **Assessment:** One 2hr exam and one 1.5hr exam, prac.

This unit of study extends some of the topics covered in MICR 2001 and 2002. Molecular Microbiology covers aspects of bacterial structure and physiology and principles of molecular pathogenicity. Lectures on bacterial structure and physiology include structural aspects of surface components, membranes, periplasm and peptidoglycan, and a discussion of drug resistance mechanisms. Principles of Molecular Pathogenicity covers clones in pathogenic species, modes of pathogenesis and adhesion, bacterial toxins, antigenic variation, and vaccines. Environmental Microbiology includes plant microbiology, particularly in relation to nitrogen fixation systems, Agrobacterium and crown gall, root colonisation, and endophytes. The unit of study also covers aspects of the distribution and activities of microbes in terrestrial and aquatic ecosystems, including their roles in the biodegradation and bioremediation of organic pollutants. The practical component is designed to enhance students' practical skills and to complement

the lecture series. Project work may form part of the practical component subject to the availability of resources.

MICR 3901 General and Medical Microbiology (Adv)

12 credit points. Mrs Helen Agus. **Session:** 1. **Classes:** 4 lec, 8 prac & other/wk. **Prerequisite:** MBLG (2101 or 2001 or 2901) and [12 credit points of Intermediate MICR units including one Distinction, or MICR (2011 and 2012) including one Distinction, or Distinction in MICR 2909. For BMedSc: 32 credit points of Intermediate BMED units including Distinction in BMED 2506. **Prohibition:** MICR 3001. **Assessment:** Two 2hr exams and one 1hr exam, essay, prac.

This unit of study is based on MICR 3001. It is available to students who have performed well in MICR (2001 or 2901, and 2002, 2004 or 2902). The unit of study consists of 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. The selection criteria for entry into the unit of study will be available from the coordinator at the time of enrolment.

MICR 3902 Molecular/Environmental Microbiology Adv

12 credit points. Dr Tom Ferenci and Dr Dee Carter. **Session:** 2. **Classes:** 4 lec, 8 prac/wk. **Prerequisite:** 12 credit points of Intermediate Microbiology including one Distinction, and MBLG (2101 or 2001 or 2901). **Prohibition:** MICR (3002, 3004 or 3904). **Assessment:** Two 2hr exams and one 1.5hr exam, essay, prac.

This unit of study is based on MICR 3002. It will be available to students who have performed well in MICR (2001 or 2901, and 2002, 2004 or 2902). The unit of study consists of 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. The selection criteria for entry into the unit of study will be available from the coordinator at the time of enrolment.

MICR 3003 Molecular Biology of Pathogens

12 credit points. Dr Tom Ferenci and Dr Dee Carter. **Session:** 2. **Classes:** 3 lec, 8 prac & 1 other/wk. **Prerequisite:** 32 credit points of Intermediate BMED units including BMED 2506. **Prohibition:** MICR 3903. **Assessment:** One 2hr exam, one 1hr theory exam, practical.

NB: It is strongly recommended that students also enrol in MICR 3001.

This unit of study is designed to provide an understanding of microbial disease at the molecular level. The following topics will be covered: introductory bacterial genetics; pathogenic processes and the molecular basis of pathogenicity in bacteria; structure and function of micro-organisms and action of antibiotics and chemotherapeutic agents; and pathogenic processes in fungi and viruses.

MICR 3903 Molecular Biology of Pathogens Advanced

12 credit points. Dr Tom Ferenci and Dr Dee Carter. **Session:** 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** 32 credit points of Intermediate BMED units including Distinction or better in BMED 2506. **Prohibition:** MICR 3003. **Assessment:** On 2hr exam, one 1.5hr exam, one 1hr theory exam, practical.

NB: It is strongly recommended that students also enrol in MICR 3001.

Same details as MICR 3003, with advanced components

MICR 3004 Molecular Biology of Pathogens Molecular

12 credit points. Dr Tom Ferenci and Dr Dee Carter. **Session:** 2. **Classes:** 3 lec, 8 prac & 1 other/wk and 4 discussion sessions. **Prerequisite:** MICR 2909. **Prohibition:** MICR (3002, 3902 or 3904). **Assessment:** One 2hr exam and one 1hr theory exam, practical and an essay based on discussion sessions.

This unit of study is the same as that in MICR 3003, except for the addition of 4 special molecular biology and genetics discussion sessions, which consist of topical seminars and discussions in this discipline. An essay based on these discussions is included as part of the assessment of the unit of study.

MICR 3904 Molecular Biology of Pathogens Mol (Adv)

12 credit points. Dr Tom Ferenci and Dr Dee Carter. **Session:** 2. **Classes:** 4 lec & 8hrs prac/wk and 4 discussion sessions. **Prerequisite:** Distinction in MICR 2909. **Prohibition:** MICR (3002, 3902 or 3004). **Assessment:** One 2hr exam, one 1.5hr exam, one 1hr theory exam, practical, and an essay based on discussion sessions.

Same details as MICR 3004, with advanced components.

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 second year will be taught by staff from the School of Molecular and Microbial Biosciences and the School of Biological Sciences. The first semester units, MBLG 2001, MBLG 2101 and MBLG 2901 are coordinated by the School of Molecular and Microbial Biosciences while the second semester units, MBLG 2002, MBLG 2102 and MBLG 2902 are coordinated by the School of Biological Sciences.

MBLG 2001 Molecular Biology and Genetics A

8 credit points. A/Prof Whitelaw, Dr Hancock. **Session:** 1, Summer. **Classes:** 3 lec & 5 prac/wk & voluntary tutorials. **Prerequisite:** 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901) except for students co-enrolled in BCHM 2011, or with permission of the unit Coordinator. For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF. **Prohibition:** AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2101 or 2901). **Assessment:** One 2hr exam, one 2hr theory of prac exam, prac tasks.

The lectures in this unit of study introduce the main principles of molecular biology and genetics – ie, the molecular basis of life. In the beginning, the students are introduced to the information macromolecules in living cells: DNA, RNA and protein. This is followed by a review of how DNA is organised into chromosomes and genes and this leads on to discussion of gene expression and replication. The unit of study then moves on to discuss how the amino acid sequence of proteins determines the diverse array of protein functions. The unit covers modern molecular biology techniques: plasmids, transposons, bacteriophage and restriction enzymes and the techniques used to manipulate genetic information; gene libraries, DNA sequencing and the polymerase chain reaction.

Practical: The practical component complements the theory component of MBLG 2001 by exposing students to experiments which investigate the regulation of gene expression, the manipulation of DNA molecules and the purification of proteins. During the unit of study, students will acquire a wide range of generic skills; including computing skills, communication and articulation skills (written and oral), criticism and data analysis/evaluation skills, experimental design and hypothesis testing skills. Students perform practical sessions in small groups and, therefore, problem solving and team work form an integral part of each activity. In addition to the generic skills, students will learn important laboratory/technical abilities with an emphasis on the equipment used in molecular biology and genetics research.

Textbooks

Resource Manual for MBLG 2001 Practical Sessions, Sem 1.

MBLG 2101 Molecular Biology & Genetics A (Theory)

4 credit points. A/Prof Whitelaw, Dr Hancock. **Session:** 1, Summer. **Classes:** 3 lec/wk. **Prerequisite:** 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901). **Prohibition:** AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2001 or 2901). **Assessment:** One 3 hr theory exam.

This unit of study is comprised of the lecture component of MBLG 2001.

MBLG 2901 Molecular Biology and Genetics A (Adv)

8 credit points. A/Prof Whitelaw, Dr Hancock. **Session:** 1. **Classes:** 3 lec & 5 prac/wk. **Prerequisite:** 12 credit points of Junior Chemistry and BIOL (1001 or 1901) except for students co-enrolled in BCHM 2011. For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF. Also required is a Distinction or better in one of the prerequisite units of study. **Prohibition:** AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2001 or 2101). **Assessment:** One 2hr exam, one 2hr theory of prac exam, continuous lab reports.

Extension of concepts taught in MBLG 2001 which will be taught in the context of practical laboratory experiments.

Textbooks

Resource Manual for MBLG 2001 Practical Sessions, Sem 1.

MBLG 2002 Molecular Biology and Genetics B

8 credit points. Dr K Raphael. **Session:** 2. **Classes:** 3 lec, 4prac & 1 tut/wk. **Prerequisite:** MBLG 2001 or MBLG 2901. **Prohibition:** BIOL 2105 or MBLG 2102 or 2902. **Assessment:** One 2 hour theory exam, one 2 hour theory of practical exam, laboratory reports, quizzes, project.

This unit of study will build on the concepts introduced in MBLG 2001 and show how modern molecular biology is being applied to the study of the genetics of all life forms from bacteria through to complex multicellular organisms including plants, animals and humans. The course begins with a discussion of classical Mendelian genetics and its extensions, including linkage, sex-linkage and gene interactions. Lectures in this section also cover statistical analysis of genetic data, crossing over, tetrad analysis, gene mapping. Eukaryotic chromosome structure and variations in chromosome number and structure are examined as well as inheritance of cytoplasmic genes and gene mutation.

Topics in bacterial genetics and evolution include transfer of genetic information between bacteria via fertility factors and plasmids, bacterial genomics, population genetics, recombinant micro-organisms and their use in vaccine production and in agriculture. The application of recombinant DNA to the production of important biologicals will be examined as well as the utility of transgenesis and gene knockouts. The study of eukaryotic genomes will begin with a comparison of classical and molecular gene mapping, and results and lessons from eukaryotic sequencing projects, including the Human Genome Project, will be examined. The way in which modern molecular techniques have increased our knowledge in the field of developmental biology will be examined by lectures on the developmental genetics of plants, animals and insects, control of gene expression, regulation of the cell cycle.

Topics in population genetics and molecular evolution include changes in gene frequency, Hardy-Weinberg equilibrium, inbreeding selection, genetic drift, molecular and gene evolution, conservation and ecological genetics, plant and animal breeding. **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 practical equipment, microscopes, computers, and statistical tests.

MBLG 2102 Molecular Biology & Genetics B (Theory)

4 credit points. Dr K Raphael. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MBLG 2001 or 2101. **Prohibition:** BIOL (2005, 2105 or 2905), or MBLG (2002 or 2902). **Assessment:** One 2 hour theory exam, one essay.

This unit of study has the same lectures and tutorials as MBLG 2002 Molecular Biology and Genetics B, but no practical work. It does not lead on to Senior Biology units of study in genetics. It is suitable for students who wish to gain an understanding of theoretical aspects of genetics in greater depth for application to other areas of their careers.

MBLG 2902 Molecular Biology and Genetics B (Adv)

8 credit points. Dr K Raphael. **Session:** 2. **Classes:** 3 lec, 4 prac & 1 tut/wk. **Prerequisite:** Distinction or better in MBLG (2001 or 2901). This requirement may be varied and students with lower marks should consult the unit Executive Officer. **Prohibition:** BIOL (2005 or 2105 or 2905 or MBLG 2002 or 2102). **Assessment:** One 2 hour theory exam, one 2 hour theory of practical exam, laboratory reports, quizzes, project.

Qualified students will participate in alternative components of MBLG 2002 Molecular Biology and Genetics B. The content and nature of these components may vary from year to year. This is a core Intermediate unit of study in the BSc (Molecular Biology and Genetics) award course.

MBLG 2111 Molecular Biology & Genetics A (Lab)

4 credit points. Dr Dale Hancock. **Session:** 1. **Classes:** 1 tut & 3 prac/wk.

Prerequisite: MBLG 2101. **Prohibition:** MBLG (2001 or 2901).

Assessment: One 2hr exam, one skills test in laboratory class and 4 prac reports.

NB: This unit is available to students who have completed MBLG 2101 in the summer school

This unit of study comprises the laboratory component of MBLG 2001.

Textbooks

Laboratory Resource Manual

■ 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 2001 Molecular Biotechnology 2A

4 credit points. **Session:** 1. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** 12 credit points of Junior BIOL and 12 credit points of Junior CHEM.

Assessment: One 2 hour theory exam, quizzes and associated tasks. Students must pass the theory exam to pass the unit overall.

NB: This unit is only available to students in the BSc (Molecular Biotechnology).

The major purpose of this unit of study is to introduce students to the concepts of modern molecular biotechnology. It assumes students will be taught Molecular Biology and Genetics through MBLG 2001/2901 and MBLG 2002/2902. It commences with case studies of overseas and local molecular biotechnology companies, then considers the roles of intellectual property and patenting in Australia and overseas, in combination with regulatory issues. This is followed by an appreciation of the societal impact and ethics of biotechnology, implications of patent-driven research and development, issues facing start-ups, interactions with big companies, informative interactions with the public, and needs for feedback and relevance. This information is disseminated through discussion sessions and problem-based learning. It leads on to an introduction to industrial macromolecule production, covering areas of sugar-based macromolecules in surgical treatment, engineered protein pharmaceuticals, medicinal enzymes and enzymes in food. This proceeds to considering the chemical synthesis of pharmaceuticals with specific example, including structure-activity relationships, use and modification of natural products in drug design, drugs from virus structures including anti-influenza drugs, new drug targets from genomics and cell-targeting, and bioinorganic drugs. Finally students are taken through large molecule drug discovery, screening in drug development, phage display of molecular targets, molecular diversity of peptides, synthetic peptide combinatorial libraries, molecular diversity of oligonucleotides and examples from industry.

MOBT 2002 Molecular Biotechnology 2B

4 credit points. **Session:** 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisite:** MOBT 2001. **Assessment:** One 2 hour theory exam, quizzes and associated tasks. 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 major purpose of this unit of study is to build on MOBT 2001 and provide further concepts of modern molecular biotechnology. It assumes students will be taught molecular biology and genetics through MBLG 2001/2901 and MBLG 2002/2902. 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. This

is followed by an appreciation of the uses of multicellular factories, illustrated with case studies. It extends biomaterials and wound repair, covering issue diversities, connective tissue candidates, recruitment of wound repair reactions, biomimetics and composites, and the prospects of bioartificial organs. The impact of proteomics in these and related areas will be explored in terms of its interplay with genomics, organ and organismal variety, disease states, qualitative vs. quantitative profiles, database management, computer tools and proteome databases and its major interplay with bioinformatics. Finally students are taken through biosensors, where they will learn about amperometric and potentiometric sensing, optical and fluorescence detection, immobilisation of enzymes on biosensor surfaces, ion-gating or ion-channel biosensors, illustrated with examples, including glucose biosensor for diabetics. Teaching will be augmented through discussion sessions and problem-based learning.

MOBT 3001 Molecular Biotechnology 3A

6 credit points. **Session:** 1. **Classes:** 3 lec, 2 prac & 1 tut/wk.

Prerequisite: MBLG 2002 and MOBT 2002 and [CHEM (2311 and 2312) or 2903]. **Assessment:** One 2 hour theory exam, quizzes and associated tasks. 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).

This Senior unit of study explores major current issues in the field and extends builds on the concepts of modern molecular biotechnology taught in MOBT 2001 and MOBT 2002. It commences with a detailed exploration of drug discovery by combinatorial chemistry and molecular diversity. This will be followed with the theory and practice of computer-assisted drug design. Genomic studies will interface with predictive concepts and then proceed to an appreciation of therapeutic design in the post-genomic era. Students are then taken through essential aspects of genome annotation and functional analysis, then in-silico directed metabolic models and testing. To gain an appreciation of key stages in developing concepts and inventions, these approaches and earlier topics are combined through examples and viewing classical development paths for molecular biotechnology products.

Main subject areas include drug discovery by combinatorial chemistry and molecular diversity; fundamentals of computer assisted drug discovery and optimisation; therapeutic design in the post-genomic era; therapeutic targets, pharmacogenomics and functional analysis; development of molecular diagnostics; and in silico-directed metabolic models and testing.

MOBT 3002 Molecular Biotechnology 3B

12 credit points. **Session:** 2. **Classes:** 1 lec, 1 tut & 10 placement/wk.

Prerequisite: MOBT 3001. **Assessment:** In-industry placements within the Program will be assessed by an academic staff member of the Molecular Biotechnology Program through communication with both the student and industry appointed liaison officer. Assessment is also by presentation, report and theory exam.

NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

This Senior unit of study builds on knowledge gained in earlier units of modern molecular biotechnology. It emphasises the needs for experience and preparation for invention, product design research and development, and the importance of recognising industry trends. Students are given practical experience through an industry-placement program. This will typically involve either participation on-site at locations of industry partners in association with University staff or in an industry-associated university laboratory. Lectures will address emerging areas in molecular biotechnology and business management. To maximise future opportunities, students will learn about funding, research and development models, partly through Australian and overseas case studies. Guest lecturers will contribute and help students develop an appreciation of emerging areas in molecular biotechnology.

As well as relevant practical experience gained through the industry placement, subject areas including Agricultural Biotechnology; Environmental Biotechnology including remediation strategies and green manufacturing technologies; Bioprocess Technologies (scaling-up and micro-processing); Commercial Biotechnology; management fundamentals for biotechnology-based product marketing with relevant case studies; biotechnology and society; ethics of modern biotechnology; funding, research and development models; and emerging areas in molecular biotechnology will be covered.

■ 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 1E for details of the BSc (Molecular Biotechnology)] and NUTR [see Table 1F 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)

'Neuroscience' is an interdisciplinary major within the BSc which cuts across boundaries between traditional subject areas. As reflected in the structure of the program, it ranges from concern with processes within nerve cells at the molecular level to complex phenomena such as perception and emotion; from the regulation of breathing and blood pressure through movement, to our ability to learn, remember and think. Students wishing to major in Neuroscience can take various combinations of units of study, mainly ones offered by the Departments of Anatomy, Pharmacology, Physiology and Psychology.

Refer to Table 1 for an enrolment guide and to entries under the contributing departments for unit of study descriptions. Please note that this major requires certain combinations of units of study in the Junior and Intermediate years, as well as the Senior year.

There is no equivalent Honours program but students who take appropriate additional units of study may be eligible for entry into the Honours programs offered by the Departments of Anatomy, Pharmacology, Physiology and Psychology. These Honours programs require the equivalent of a further year of full time study.

■ Nutrition

The Human Nutrition unit in the School of Molecular and Microbial Biosciences offers units of study to students in the Bachelor of Science (Nutrition) degree. Please consult degree information in chapter 2, and Table 1F 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 2901 Introductory Food Science (Advanced)

8 credit points. Dr Kim Bell-Anderson, Prof. J Brand Miller, A/Prof Samir Samman. **Session:** 1. **Classes:** 3 lec & 5 hr prac/wk. **Prerequisite:** CHEM (1101 or 1901 or 1903 or 1909) and CHEM (1102 or 1902 or 1904 or 1908) and BIOL (1001 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 table 1F. **Assessment:** One 3 hr exam (50%), practical (50%).

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.

Practical: Organoleptic assessment of food: vision, smell, taste and tactile. Food pigments, the five tastes, genetic differences, food volatiles, food flavour, texture and consistency. Enzymic and non-enzymic browning in foods: desirable versus undesirable browning reactions. Vegetables and fruits – various parts of the plant, types of tissue, cell structure, soluble and insoluble constituents (cell wall, vacuoles, chloroplasts, chromoplasts, oil droplets, intercellular layers), pectic substances, cooking of fruit and vegetables, spoilage reactions. Carbohydrate foods: types of sugars, crystal structures, mouthfeel, texturising, flavour modifying, fermentation. Wheat – effect of milling, gluten structure, leavening agents, ingredients (shortening, emulsifiers, gluten, starch, salt, sugar. Eggs – functional properties of the albumen and yolk, coagulation of proteins, foaming properties, browning, emulsification, clarification, colour and flavour, deterioration and storage. Dairy products – physical structure and chemical composition of milk and dairy products such as butter, cheese, cream and dried milk, effect of whipping, acidity, fermentation, spoilage. Fats and oils – Physical and chemical structure of different fats and oils, functional properties. Meat and poultry – chemical and physical composition of red vs white meat, types of tissues (muscle, adipose, connective), conversion of live muscle to meat, effect of marination, ageing, pigment changes, cooking (dry vs moist), spoilage. Fish and shellfish -types, oily vs non-oily, differences in chemical and physical structure from meat, effect of cooking, problems, spoilage.

Textbooks

Mann J, Truswell AS (eds). Essentials of Human Nutrition. Oxford: OUP, 2002

Griswald N. The Experimental Study of Foods.

NUTR 2902 Introductory Nutritional Science (Adv)

8 credit points. A/Prof S. Samman, Dr Kim Bell-Anderson. **Session:** 2. **Classes:** 3 lec & 5 hr prac/wk. **Prerequisite:** NUTR 2901. **Assessment:** One 3 hr exam (50%), practical (50%).

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, 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 h 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 R.K. The Science & Technology of Foods. Forbes London, 1985.

Hobbs BC Food poisoning and food hygiene. (5th ed) Ballimore, Md; E. Arnold 1987.

NUTR 2912 Nutritional Science Fundamentals (Adv)

6 credit points. Dr S Samman. **Session:** 2. **Classes:** 3 lec & 5 hr prac/wk. **Prerequisite:** NUTR 2901. **Assessment:** One 3hr exam (50%), practical (50%).

NB: Only available to students enrolled in the Combined program BAppSc(Exercise Sport Science)/BSc(Nutrition).

Content of this unit is the same as NUTR 2902, but with reduction in requirements and assessment from some areas. See NUTR 2902 entry for outline and textbooks, and contact the Human Nutrition unit for more details.

NUTR 3901 Nutrition in Individuals (Advanced)

12 credit points. Dr D Volker, S Amanatidis. **Session:** 1. **Classes:** 4 lec & 8 hr prac/wk. **Prerequisite:** NUTR 2902. **Assessment:** One 3 hr exam (50%), practical project (50%).

Lectures: Dietary intake assessment: 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; computerised nutrient analysis; Atwater conversion factors; 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 measurements; percent body fat; reference standards; growth standards and percentiles

Nutritional metabolism: biochemical interrelationships between nutrients and the supply of energy to the body; effects of nutritional state on energy metabolism

Nutritional epidemiology: basic concepts, advantages and limitations of epidemiological methods; biological markers of chronic diseases; use of biostatistical tools in epidemiology; critical interpretation of published data.

Research design and statistics.

Practical: Formats will include practical classes, problem-based learning with case histories and small group tutorials.

Practical: Formats will include practical classes, problem-based learning with case histories and small group tutorials.

Textbooks

Cameron ME, Van Staveren WA eds. Manual on Methodology for Food Consumption studies. Oxford: Oxford University Press, 1988.

Willett W. Nutritional Epidemiology. Oxford: Oxford University Press, 1990.

Gibson RS. Nutritional Assessment: A Laboratory Manual. Oxford: Oxford University Press, 1993.

NUTR 3902 Nutrition in Populations (Advanced)

12 credit points. Ms Sue Amanatidis, Dr D Volker. **Session:** 2. **Classes:** 4 lec & 8 hr prac/wk. **Prerequisite:** NUTR 2902. **Assessment:** One 3 hr exam (50%), practical project (50%).

Nutrition through the lifecycle; Food Habits: theories of food habits; Nutritional problems in contemporary communities and selected target groups; Nutritional health and chronic disease;

Food and nutrition policies and guidelines: dietary guidelines;

Food and Nutrition Systems; Principles of Public Health nutrition; Public Health Nutrition Strategies and programs; Principles of Nutrition Education. Nutrition controversies: fad diets and alternative practitioners.

Practical: The aim of the practicals is to allow students to put into practice what is covered in the lectures. The practical sessions will include problem based learning with case studies

and small group tutorials. Practical project Students will work in groups on a major project over the entire semester. Students will be asked to plan a community intervention for a specific target group. The project will require the students to conduct a needs assessment with the target group and to seek information from various community sources including government and non-government organisations and food industries. The students will write a report and present their project to the class.

Nutrition Honours

A/Prof S Samman; Ms Merryl Ireland; A/Prof M Crossley

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:

- carry out a supervised research project;
- present a written project proposal and present orally a brief literature survey and aims of the project;
- write an essay based on the project; and
- 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 4 credit point units of study, one Intermediate 8 credit point unit of study and four Senior 12 credit point units of study.

PCOL 2001 Pharmacology Fundamentals

4 credit points. Dr H Lloyd. **Session:** 1. **Classes:** 2 lec/wk & 4 prac/ computer sessions. **Prerequisite:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology. **Assessment:** One 1.5hr exam, classwork.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study introduces students to the basic concepts of pharmacology – how drugs act and how they reach their sites of action. The molecular sites of action of drugs are described and the relationships between drug activity and chemical structure explored. The roles of absorption, distribution, metabolism and elimination of drugs in determining the actions of drugs in the body are also considered.

Textbooks

Foster RW. Basic Pharmacology. 4th edn, Butterworth-Heinemann, 1996

OR

Rang HP, Dale MM & Ritter JM, Pharmacology. 4th edn, Churchill Livingstone, 1999

Study aids

Dale MM, Dickenson AH & Haylett DG, Companion to Pharmacology. 2nd edn, Churchill Livingstone, 1995

Neal MJ. Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Hardman JG et al, Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, McGraw-Hill, 1996

Patrick GL. An Introduction to Medicinal Chemistry. 2nd edn Oxford Uni Press, 2001

PCOL 2002 Intro Pharmacology: Drugs and People

4 credit points. Dr H Lloyd. **Session:** 2. **Classes:** 2 lec/wk & 4 prac/tut sessions. **Prerequisite:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology. **Prohibition:** PCOL 2003. **Assessment:** One 1.5hr exam, classwork.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. Students are strongly advised to complete PCOL 2001 before enrolling in PCOL 2002.

This unit of study explores how drugs produce their effects in the body and what these effects are. The effects of drugs on the autonomic nervous system and the types and actions of drugs used for the treatment of pain and inflammation are discussed. The social use of drugs and the effects of some commonly abused drugs are examined. There is also a brief introduction to the toxicology of natural poisons, in particular snake and spider venoms.

Textbooks

Rang HP, Dale MM & Ritter JM, Pharmacology. 4th edn, Churchill Livingstone, 1999

Study aids

Dale MM et al, Companion to Pharmacology. 2nd edn, Churchill Livingstone, 1995

Neal JM, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Hardman JG et al (eds), Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, McGraw-Hill, 1996

PCOL 2003 Pharmacology: Drugs and Society

8 credit points. Dr H Lloyd. **Session:** 2. **Classes:** 3 lec, 3 prac & 2 wkshps/wk. **Prerequisite:** 6 credit points of Junior Biology and 6 credit points of Junior Chemistry. **Prohibition:** PCOL 2002. **Assessment:** One 2hr theory exam; three lab reports and reflective statements, six on-line quizzes, one presentation, 5 written assignments from case studies.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended. Students are strongly advised to complete PCOL 2001 before enrolling in PCOL 2003.

This unit of study will consist of six modules covering the following topics: drug action in the peripheral and central nervous system; a consideration of drugs used to treat inflammation, allergy and disorders of the gut; drug development from an industry perspective and an introduction to the toxicology of natural poisons such as snake and spider venom; an exploration of endocrine drugs such as oral contraceptives and anabolic steroids; the social and economic impact of drugs in society; and a consideration of drugs used for recreational purposes. Unit delivery will involve lectures, practicals, computer-aided learning and workshops. In the practicals emphasis will be placed on the acquisition of technical and teamwork skills and an understanding of the basics of experimental design, data interpretation and how to write scientific reports. Workshops will be largely problem based, using case reports of drug use in the community or will involve a presentation on a selected pharmacological research paper. Online quizzes will accompany each module to aid students in monitoring their progress.

Textbooks

Rang HP, Dale MM & Ritter JM, Pharmacology. 4th edn, Churchill Livingstone, 1999

Study aids

Dale MM et al, Companion to Pharmacology. 2nd edn, Churchill Livingstone, 1995

Neal JM, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Hardman JG et al (eds), Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, McGraw-Hill, 1996

PCOL 3001 Molecular Pharmacology and Toxicology

12 credit points. A/Prof Ian Spence. **Session:** 1. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisite:** PCOL 2001 and PCOL (2002 or 2003); or 32 credit points from Intermediate BMED units of study. **Prohibition:** PCOL 3901. **Assessment:** Two 2hr exams, classwork.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This unit of study covers two major areas of pharmacology: (1) toxicology, and (2) drug design and development. The toxicology area covers metabolism of toxic substances, toxicity to major

organs, epidemiology and carcinogenesis. It aims to provide an overview of toxicology with detailed examination of selected issues. Drug design and development looks at the principles guiding the development of new therapeutic agents, for example new histamine antagonists, and the use of new methods to study drug distribution and action such as positron emission tomography (PET) and single photon emission computerised tomography (SPECT) scanning.

Textbooks

Department of Pharmacology PCOL 3001: Toxicology Readings.

Patrick GL. An Introduction to Medicinal Chemistry. 2nd edn Oxford Uni Press, 2001

Reference books

Hardman JG et al (eds), Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, McGraw-Hill, 1996

Klaassen CD, Casarett & Doull's Toxicology: The Basic Science of Poisons. New York: McGraw-Hill, Health Professions Division, 5th edn 1996

Krogsgaard-Larsen P et al (eds), A Textbook of Drug Design and Development. 2nd edn. Harwood Academic Publishers, 1996

PCOL 3002 Neuro- and Cardiovascular Pharmacology

12 credit points. Prof G Johnston. **Session:** 2. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisite:** PCOL 2001 and PCOL (2002 or 2003); or 32 credit points from Intermediate BMED units of study. **Prohibition:** PCOL 3902. **Assessment:** Two 3hr exams, classwork.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The lecture series provides a comprehensive, systematic study of three major areas of pharmacology: (1) neuropharmacology, (2) cardiovascular pharmacology, and (3) respiratory pharmacology. The neuropharmacology component examines the actions of psychoactive drugs at all levels from single cells through to behaviour. The cardiovascular and respiratory components examine therapeutic intervention in disease states such as hypertension and asthma, and the mechanisms of drug action. As part of the unit of study all students prepare a drug profile – a document similar to that required by regulatory authorities when a new drug is introduced. This provides students with the opportunity to become familiar with, firstly, regulatory procedures and, secondly, with the detailed pharmacology of one particular compound. In addition to the core component students choose an elective selected from a number offered by the Department. These cover specific topics in depth and some are laboratory based. Details of these are available from the Department before the commencement of the July semester.

Textbooks

Rang HP, Dale MM & Ritter JM, Pharmacology. 4th edn, Churchill Livingstone, 1999

Study aids

Neal MJ. Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Cooper JR, Bloom FE & Roth RHI. The Biochemical Basis of Neuropharmacology. 7th edn, Oxford, 1996

Hardman JG, et al (eds), Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, McGraw-Hill, 1996

PCOL 3901 Molecular Pharmacology & Toxicology Adv

12 credit points. A/Prof Ian Spence. **Session:** 1. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisite:** Distinction average in PCOL 2001 and PCOL (2002 or 2003); or in 32 credit points from Intermediate BMED units of study. **Prohibition:** PCOL 3001. **Assessment:** Two 2hr exams, classwork.

NB: Department permission required for enrolment. The completion of MBLG (2001 or 2101 or 2901) is highly recommended. Entry to this unit requires Departmental permission.

This unit will consist of the lecture and practical components of PCOL 3001. Students selected for PCOL 3901 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

Department of Pharmacology PCOL 3901: Toxicology Readings.

Patrick GL. An Introduction to Medicinal Chemistry. 2nd edn Oxford Uni Press, 2001

Reference books

Hardman JG et al (eds), Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, McGraw-Hill, 1996

Klaassen CD, Casarett & Doull's Toxicology: The Basic Science of Poisons. New York: McGraw-Hill, Health Professions Division, 5th edn 1996

Krogsgaard-Larsen P et al (eds), A Textbook of Drug Design and Development. 2nd edn. Harwood Academic Publishers, 1996

PCOL 3902 **Neuro & Cardiovascular Pharmacology Adv**

12 credit points. Prof G Johnston. **Session:** 2. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisite:** Distinction average in PCOL 2001 and PCOL(2002 or 2003); or in 32 credit points from Intermediate BMED units of study. **Prohibition:** PCOL 3002. **Assessment:** Two 2hr exams, classwork.

NB: Department permission required for enrolment. The completion of MBLG (2001 or 2101 or 2901) is highly recommended. Entry to this unit requires Departmental permission.

Advanced students will complete the same core lecture material as students in PCOL 3002 but carry out advanced level elective projects, practicals and tutorials. They will sit the same written examinations as students in PCOL 3002, while the elective projects, practicals and tutorials will be assessed separately.

Textbooks

Rang HP, Dale MM & Ritter JM. Pharmacology. 4th edn, Churchill Livingstone, 1999

Study aids

Neal MJ. Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Cooper JR, Bloom FE & Roth RH. The Biochemical Basis of Neuropharmacology. 7th edn, Oxford, 1996

Hardman J G et al (eds). Goodman and Gilman's The Pharmacological Basis of Therapeutics. 9th edn, MacGraw-Hill, 1996

Pharmacology Honours

Associate Professor R Allan

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 Department. 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 other 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 and Senior levels which can be part of a Physics major. 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 Web site: 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 1003 (Technological)

PHYS 1901 (Advanced)

Second semester

PHYS 1003 (Technological)

PHYS 1004 (Environmental and Life Sciences)

PHYS 1902 (Advanced)

PHYS 1500 (Astronomy)

PHYS 1003 (Technological) is offered in both first and second semesters, but is best taken after completing one of the other first semester Physics units. 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. 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 Web site at www.physics.usyd.edu.au

PHYS 1001 **Physics 1 (Regular)**

6 credit points. **Session:** 1. **Classes:** three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed knowledge:** HSC Physics MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Prohibition:** PHYS (1002 or 1901). **Assessment:** laboratory (20%), assignments (5%), progressive test (5%), skills test (5%), examination (65%).

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. 10th edition, Addison Wesley Longman 2000<

Experimental Physics Laboratory Manual – School of Physics Publication.

PHYS 1002 **Physics 1 (Fundamentals)**

6 credit points. **Session:** 1. **Classes:** three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed knowledge:** No assumed knowledge of Physics MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Prohibition:** 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 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. **Session:** 1, 2. **Classes:** three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Prohibition:** PHYS (1004 or 1902). **Assessment:** laboratory (25%), assignments (5%), examination (70%).

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. It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

Textbooks

Young & Freedman. University Physics, 10th edition, Addison Wesley Longman 2000<

Experimental Physics Laboratory Manual – School of Physics Publication.

PHYS 1004 Physics 1 (Environmental & Life Science)

6 credit points. **Session:** 2. **Classes:** three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Prohibition:** PHYS (1003 or 1902). **Assessment:** laboratory (25%), assignments (5%), examination (70%).

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. **Session:** 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. 8th edition, Brooks/Cole 2002
Astronomy Computer Exercises available from the Copy Centre.

PHYS 1901 Physics 1A (Advanced)

6 credit points. **Session:** 1. **Classes:** three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed knowledge:** MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Prerequisite:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1902, or Distinction or better in PHYS 1003, 1004 or an equivalent unit. **Prohibition:** PHYS (1001 or 1002). **Assessment:** laboratory (20%), assignments (5%), progressive test (5%), skills test (5%), examination (65%).

Physics 1901 (Advanced) A is intended for students who have a strong background in Physics and an interest in studying more advanced topics. It proceeds faster than Physics 1001 (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, 10th edition, Addison Wesley Longman 2000
Physics Laboratory Manual – School of Physics Publication.

PHYS 1902 Physics 1B (Advanced)

6 credit points. **Session:** 2. **Classes:** three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Assumed knowledge:** MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Prerequisite:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS 1901, or Distinction or better in PHYS 1001, 1002 or an equivalent unit. **Prohibition:** PHYS (1003 or 1004). **Assessment:** laboratory (25%), assignments (5%), examination (70%).

This unit of study is a continuation of Physics 1901 (Advanced) A. Students who have completed Physics 1001 (Regular) or Physics 1002 (Fundamentals) at Distinction level may enrol. It proceeds faster than Physics 1003 (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, 10th edition, Addison Wesley Longman 2000
Experimental Physics Laboratory Manual – School of Physics Publication.

Physics Intermediate units of study

Dr Gordon Robertson

The School of Physics offers 2 units of study in semester one and 3 in semester two, at the Intermediate level. The semester one units complete a 'first pass' through physics begun in Junior physics. A full year Intermediate program in Physics consists of PHYS 2001 and 2002. Alternatively, PHYS 2901 and 2902 are the advanced physics units of study for students who have achieved a pass or better in PHYS 1901 and 1902, or who have achieved a Credit or better in PHYS 1003 or 1004. Either of these two combinations form the prerequisite units of study for Senior level physics. One other unit of study, PHYS 2105, is a shorter unit for students with an interest in the medical sciences who do not plan to continue with physics at a Senior level.

Full details of Intermediate Physics unit of study structures, contents and assessment policies are provided in the unit of study handbooks available at the start of semester on the School of Physics Web site at www.physics.usyd.edu.au and also on WebCT.

PHYS 2001 Physics 2A

8 credit points. **Session:** 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 2hr computational lab. **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). (MATH 1005/1905) would also be useful. **Prerequisite:** 12 credit points of Junior Physics (excluding PHYS 1500 and 1600). **Prohibition:** PHYS (2101 or 2103 or 2901). **Assessment:** One 3hr exam, one 1hr computational test, assignments, practical work, report and oral presentation.

In combination with two semesters of Junior Physics, this unit of study completes a first pass through all 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 holography and fibre optics. The module is accompanied by computer simulation studies in the computational physics laboratory.
- Special relativity: Space and time at high velocities.
- Nuclear and particle physics: the fundamental structure of matter.
- Astrophysics: Structure and evolution of stars.

Computational Physics: In a 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, analysis of stellar images, 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, 10th edition, Addison Wesley 2000
Tango, Introduction to Stellar Astrophysics, published by the School of Physics
Experimental Physics Notes, published by the School of Physics.
Computational Physics Notes (Semester 1), published by the School of Physics

PHYS 2002 Physics 2B

8 credit points. **Session:** 2. **Classes:** Three 1hr lectures, one 3hr practical, one 2hr computational lab. **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Prerequisite:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901). **Prohibition:** PHYS (2102 or 2104 or 2902). **Assessment:** One 3hr exam, one 1hr computational test, assignments, practical work, report and oral presentation.

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 PHYS 2001, except that the material illustrates topics in the quantum physics module.

Practical: Experimental physics is taught as a laboratory module and includes experiments in the areas of quantum physics, electronic instrumentation, 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

Experimental Physics Notes, School of Physics Publication< Serway, Moses and Moyer, Modern Physics, 2nd edition, Saunders College Publishing<

Computational Physics Notes (Semester 2), published by the School of Physics

PHYS 2105 Physics for Medical Sciences

4 credit points. **Session:** 2. **Classes:** Two 1hr lectures, one 1hr tutorial and one 1hr practical. **Prerequisite:** 12 credit points of Junior Physics, excluding PHYS (1500 & 1600). **Assessment:** One 2 hr exam, assignments, practical work and report.

This unit of study is primarily intended for students in the Bachelor of Medical Science program, but is also available in other degree programs. It covers a number of physics topics relevant to medical science: sound and ultrasound, light and optics, fluid flow, electrical properties of the cells and the nervous system, heat and temperature. The topics are presented in the context of their relevance and applications to medical science. In addition to lectures, on alternate weeks there are two hour workshop tutorials and laboratory sessions involving both practical and simulation.

PHYS 2901 Physics 2A (Advanced)

8 credit points. **Session:** 1. **Classes:** Three 1hr lectures, one 3hr practical, one 2hr computational lab. **Assumed knowledge:** MATH (1901/1001 and 1902/1002 and 1903/1003). MATH 1905/1005 would also be useful. **Prerequisite:** PHYS 1901 (or credit or better in PHYS 1001 or 1002) and PHYS 1902 (or credit or better in PHYS 1003 or 1004). **Prohibition:** PHYS (2001, 2101, 2103). **Assessment:** One 3hr exam, one 1hr computational test, assignments, practical work, report and oral presentation.

This unit of study is designed for students having a strong interest in Physics. The lecture topics are as for PHYS 2001. They are treated in greater depth and with more rigorous attention to derivations than in PHYS 2001. The assessment reflects the more challenging nature of the material presented.<

Computational Physics: As for PHYS 2001, but at a more advanced level.

Practical: As for PHYS 2001, but at a more advanced level.

Textbooks

Young & Freedman, University Physics, 10th edition, Addison Wesley 2000<

Tango, Introduction to Stellar Astrophysics, published by the School of Physics<

Experimental Physics Notes, published by the School of Physics.

<Computational Physics Notes (Semester 1), published by the School of Physics

PHYS 2902 Physics 2B (Advanced)

8 credit points. **Session:** 2. **Classes:** Three 1hr lectures, one 3hr practical, one 2hr computational lab. **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Prerequisite:** PHYS 1902 (or credit or better in PHYS 1003 or 1004) and PHYS [(1901 or 2901) or credit or better in PHYS (1001 or 1002 or 2001)]. **Prohibition:** PHYS (2002, 2102, 2104). **Assessment:** One 3hr exam, one 1hr computational test, assignments, practical work, report and oral presentation.

Refer to PHYS 2901 for an overall description of the advanced Intermediate Physics program. The lecture topics are as for PHYS 2002.<

Microlab: As for PHYS 2002, but at a more advanced level.

Practical: As for PHYS 2002, but at a more advanced level.

Textbooks

Experimental Physics Notes, School of Physics Publication< Serway, Moses and Moyer, Modern Physics, 2nd edition, Saunders College Publishing<

Computational Physics Notes (Semester 2), published by the School of Physics

Serway, Moses and Moyer, Modern Physics, 2nd edition, Saunders College Publishing

Computational Physics Notes (Semester 2), published by the School of Physics

Physics Senior units of study

Assoc Prof Tim Bedding

The School of Physics offers units of study at the Senior Physics level in three categories: lecture-based, laboratory-based (Experimental Physics) and project-based (Special Projects).

Most units are offered at both the Normal and Advanced levels. Entry to the Advanced units of study is restricted to students who have met the entry requirements. The Special Project units are only available at the Advanced level and are undertaken in the research groups of the School of Physics.

It is possible to take up to 48 credit points in Senior Physics units of study. 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:

- (i) PHYS 3011 or 3911 (4 credit points), and
- (ii) at least 8 credit points of other lecture courses in Senior Physics (where COSC 3001, 3901, 3002 and 3902 may be counted towards this requirement), and
- (iii) at least 8 credit points chosen from laboratory-based and project-based units (ie, Experimental Physics and Special Projects).

Other notes:

- PHYS 3600 is only available to students in the Bachelor of Science (Environmental) degree.
- Topics in Physics A, B, C and D are restricted to students not majoring in Physics, giving them the flexibility to take a combination of lecture topics that is not offered in the standard units.
- Senior Physics has been reorganised for 2004 and the units of study now offered supersede all previous units. Students continuing their studies in Senior Physics who already have credit in previously offered units will need to obtain approval before completing their enrolment, in order to ensure there is no duplication.

Further information concerning Senior Physics is available via www.physics.usyd.edu.au and from A/Prof. Tim Bedding.

PHYS 3011 Electromagnetism/Quantum Mechanics

4 credit points. A/Prof. T. Bedding. **Session:** 1. **Classes:** 3 lec/wk. **Prerequisite:** 16 points of Intermediate Physics and 8 credit points of intermediate mathematics. **Prohibition:** PHYS 3003, 3014, 3015, 3200, 3903, 3911, 3914, 3915. **Assessment:** 3hr exam, assignments.

This unit (at either normal or advanced level) is compulsory for students undertaking a major in Physics. The first half of this unit covers the classical theory of electromagnetism and introduces Maxwell's equations in their differential form. The second half covers the fundamental concepts and formalism of quantum dynamics, and the application of angular momentum and symmetry in quantum mechanics.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3012 Condensed Matter Physics/Optics

4 credit points. A/Prof. T. Bedding. **Session:** 1. **Classes:** 3 lec/wk. **Assumed knowledge:** 8 credit points of intermediate mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS 3004, 3005, 3006, 3107, 3904, 3905, 3906, 3014, 3015, 3912, 3914, 3915. **Assessment:** 3hr exam, assignments.

The first half of this unit covers 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 second half of this unit introduces students to modern optics, using the latter to illustrate the applications in studying the properties of matter and many important optical phenomena.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3013 Thermodynamics/Kinetic Theory

4 credit points. A/Prof. T. Bedding. **Session:** 1. **Classes:** 3 lec/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS 3005, 3014, 3015, 3905, 3913, 3914, 3915. **Assessment:** 3hr exam, assignments.

The first half of this unit covers the laws of thermodynamics, including reversible and irreversible processes and the concept of entropy. The second half studies ensembles and the kinetic properties and transport of gases.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3014 Topics in Physics A

4 credit points. A/Prof. T. Bedding. **Session:** 1. **Classes:** 3 lec/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS 3003, 3004, 3005, 3011, 3012, 3013, 3015, 3200, 3903, 3904, 3905, 3911, 3912, 3913, 3914, 3915. **Assessment:** 3hr exam, assignments.

NB: Department permission required for enrolment. Approval required by the Senior Physics Coordinator prior to enrolment
This unit is restricted to students not majoring in Physics, giving them the flexibility to take a combination of lecture topics that is not offered in the standard units. Students must choose two from the following six Semester 1 half-courses (subject to timetabling): Electromagnetism, Condensed Matter Physics, Thermodynamics, Quantum Mechanics, Optics, and Kinetic Theory. Please obtain permission from the Senior Physics Coordinator. This unit may not be taken with any other Semester 1 lecture-based unit.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site
www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3015 Topics in Physics B

6 credit points. A/Prof. T. Bedding. **Session:** 1. **Classes:** 58 lec/semester. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS 3003, 3004, 3005, 3011, 3012, 3013, 3014, 3200, 3903, 3904, 3905, 3911, 3912, 3913, 3914, 3915. **Assessment:** Exams totaling 4.5hrs, assignments.

This unit is restricted to students not majoring in Physics, giving them the flexibility to take a combination of lecture topics that is not offered in the standard units. Students must choose three from the following six Semester 1 half courses (subject to timetabling): Electromagnetism, Condensed Matter Physics, Thermodynamics, Quantum Mechanics, Optics, and Kinetic theory. Please obtain permission from the Senior Physics Coordinator. This unit may not be taken with any other Semester 1 lecture-based unit.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site
www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3016 Experimental Physics A

4 credit points. A/Prof. T. Bedding. **Session:** 1. **Classes:** 4hrs prac/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3017 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3916 or 3917). **Assessment:** Practical assessment, report & oral presentation.

Physics is an experimentally based discipline. The aim of this course is to give students an appreciation of the analytical, technical and practical skills required to conduct modern experimental work in physics. Six experiments will be undertaken from a selection covering a range of areas, including waves and optics, astronomy, electronics, nuclear physics and the properties of matter.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site
www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3017 Experimental Physics B

8 credit points. A/Prof T Bedding. **Session:** 1. **Classes:** 4hrs prac/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3016 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3916 or 3917). **Assessment:** Practical assessment, report & oral presentation.

Physics is an experimentally based discipline. The aim of this course is to give students an appreciation of the analytical, technical and practical skills required to conduct modern experimental work in physics. Twelve experiments will be undertaken from a selection covering a range of areas, including waves and optics, astronomy, electronics, nuclear physics and the properties of matter.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site
www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3021 Plasma Physics/Nanoscience

4 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS (3005 or 3006 or 3024 or 3025 or 3905 or 3906 or 3921 or 3924 or 3925).

The first half of this unit introduces students to the plasmas, their properties and behaviour when subject to electric and magnetic fields. The second half of this unit studies some of the applications and technologies developed for the new field of nanoscience.

PHYS 3022 Astrophysics/High Energy Physics

4 credit points. **Session:** 2. **Prerequisite:** 16 credit points of intermediate Physics and 8 credit points of intermediate mathematics. **Prohibition:** PHYS (3005 or 3006 or 3024 or 3025 or 3105 or 3905 or 3906 or 3922 or 3924 or 3925).

The first half of this unit aims to give students an understanding of the observational properties and underlying astrophysical principles governing stars, the interstellar and galaxies as a whole. The second half studies elementary particles, particularly quarks and leptons, and how they interact and combine to form other particles.

PHYS 3023 Biological & Medical Physics

4 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics or Intermediate Biochemistry, 12 credit points of Junior units from Mathematics and Statistics and 12 credit points of Junior Physics. **Prohibition:** PHYS (3006 or 3024 or 3025 or 3906 or 3923 or 3924 or 3925).

The medical physics part of this unit aims to provide an introduction to the applications of ionising radiation (radiation therapy, nuclear medicine and diagnostic radiology), with particular attention to the examination, diagnosis and treatment of patients within the hospital environment. It also includes discussion of medical imaging, particularly Magnetic Resonance Imaging (MRI). The biological physics component will cover applications of physics to biological systems, including topics such as molecular biology, the transport of biomolecules, the thermodynamics of cells, the excitation of nerve impulses, the structure and properties of polymers and proteins, computer simulations of biological systems, biomechanics, multicellular systems and neural networks.

PHYS 3024 Topics in Physics C

4 credit points. A/Prof. T. Bedding. **Session:** 2. **Classes:** 3 lec/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3025 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3924 or 3925). **Assessment:** 3hr exam, assignments.

This unit of study is restricted to students not majoring in Physics, giving them the flexibility to take a combination of lecture topics that is not offered in the standard units. Students must choose two from the following six Semester 2 half-courses (subject to timetabling): Plasma Physics, Astrophysics, Biological Physics, Nanoscience, High Energy Physics.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site
www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3025 Topics in Physics D

6 credit points. A/Prof. T. Bedding. **Session:** 2. **Classes:** 58 lec/semester. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of intermediate Physics. **Prohibition:** PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3024 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3924 or 3925). **Assessment:** Exams totaling 4.5hrs, assignments.

This unit is restricted to students not majoring in Physics, giving the flexibility to take a combination of lecture topics that is not offered in the standard units. Students must choose three from the following six Semester 2 half-courses (subject to timetabling): Plasma Physics, Astrophysics, Biological Physics, Nanoscience, High Energy Physics, and Medical Physics. Please obtain permission from the Senior Physics Coordinator. This unit may not be taken with any other Semester 2 lecture-based unit.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site
www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3026 Experimental Physics C

4 credit points. A/Prof. T. Bedding. **Session:** 2. **Classes:** 4hrs prac/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3027 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3926 or 3927). **Assessment:** Practical assessment, report & oral presentation.

Physics is an experimentally based discipline. The aim of this course is to give students an appreciation of the analytical,

technical and practical skills required to conduct modern experimental work in physics. Six experiments will be undertaken on a selection covering a range of areas, including waves and optics, astronomy, electronics, nuclear physics and the properties of matter.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site

www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3600 Energy and the Environment

4 credit points. Dr Christopher Dey. **Session:** 1. **Classes:** One 1hr lecture, one 1hr seminar & 2hrs made up of field trips. **Prerequisite:** ENVI 2002 or 12 credit points of Junior Physics. **Assessment:** General attendance/participation (15%), 3000w essay (45%), three assignments (15%), specific seminar presentation (25%).

NB: This unit of study is available to students in the Bachelor of Science (Environmental) only.

This unit of study covers the following aspects of energy and the environmental: energy use, power generation including alternative methods, environmental impact of energy use and power generation including the greenhouse effect and other atmospheric impacts: transportation and pollution, energy management in buildings, solar thermal energy, photovoltaics, nuclear energy, socio-economic and political issues related to energy use and power generation.

The unit of study will consist of one lecture and one seminar per week, with a further two hours on average per week made up of 4 field trips.

PHYS 3911 Electromagnetism/Quantum Mechanics (Adv)

4 credit points. **Session:** 1. **Prerequisite:** 16 points of Intermediate Physics with a credit average and 8 credit points of intermediate mathematics. **Prohibition:** PHYS (3003 or 3011 or 3014 or 3015 or 3200 or 3903 or 3914 or 3915).

This unit of study covers the same topics as PHYS 3011, with some more challenging material.

PHYS 3912 Condensed Matter Physics/Optics (Adv)

4 credit points. **Session:** 1. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3004 or 3005 or 3006 or 3012 or 3014 or 3015 or 3107 or 3904 or 3905 or 3906 or 3914 or 3915).

This unit of study covers the same topics as PHYS 3012, with some more challenging material.

PHYS 3913 Thermodynamics/Kinetic Theory (Adv)

4 credit points. **Session:** 1. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3005 or 3013 or 3014 or 3015 or 3905 or 3914 or 3915).

This unit of study covers the same topics as PHYS 3013, with some more challenging material.

PHYS 3914 Topics in Physics A (Adv)

4 credit points. **Session:** 1. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3003 or 3004 or 3005 or 3011 or 3012 or 3013 or 3014 or 3015 or 3200 or 3903 or 3904 or 3905 or 3911 or 3912 or 3913 or 3915).

This unit of study covers the same topics as PHYS 3014, with some more challenging material.

PHYS 3915 Topics in Physics B (Adv)

6 credit points. **Session:** 1. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3003 or 3004 or 3005 or 3011 or 3012 or 3013 or 3014 or 3015 or 3200 or 3903 or 3904 or 3905 or 3911 or 3912 or 3913 or 3914).

This unit of study covers the same topics as PHYS 3015, with some more challenging material.

PHYS 3916 Experimental Physics A (Adv)

4 credit points. **Session:** 1. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3016 or 3017 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3917).

This unit of study covers the same topics as PHYS 3016, with some more challenging material.

PHYS 3917 Experimental Physics B (Adv)

8 credit points. **Session:** 1. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3016 or 3017 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3916).

This unit of study covers the same topics as PHYS 3017, with some more challenging material.

PHYS 3921 Plasma Physics/Nanoscience (Adv)

4 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3005 or 3006 or 3021 or 3024 or 3025 or 3905 or 3906 or 3924 or 3925).

This unit of study covers the same topics as PHYS 3021, with some more challenging material.

PHYS 3922 Astrophysics/High Energy Physics (Adv)

4 credit points. A/Prof. T. Bedding. **Session:** 2. **Classes:** 3 lec/wk. **Prerequisite:** 16 credit points of intermediate physics with a credit average and 8 credit points of intermediate mathematics. **Prohibition:** PHYS (3005 or 3006 or 3022 or 3024 or 3025 or 3105 or 3905 or 3906 or 3924 or 3925). **Assessment:** 3hr exam, assignments.

The first half of this unit aims to give students an understanding of the observational properties and underlying astrophysical principles governing stars, the interstellar and galaxies as a whole. The second half studies elementary particles, particularly quarks and leptons, and how they interact and combine to form other particles.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site

www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3923 Biological & Medical Physics (Adv)

4 credit points. A/Prof. T. Bedding. **Session:** 2. **Classes:** 3 lec/wk. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics or Intermediate Biochemistry with a credit average and 12 credit points of Junior units from Mathematics and Statistics and 12 credit points of Junior Physics. **Prohibition:** PHYS (3006 or 3906). **Assessment:** 3hr exam, assignments.

This unit of study covers the same topics as PHYS 3023, with some more challenging material.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the Web site

www.physics.usyd.edu.au/ugrad/spc.html

PHYS 3924 Topics in Physics C (Adv)

4 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3024 or 3025 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3925).

This unit of study covers the same topics as PHYS 3024, with some more challenging material.

PHYS 3925 Topics in Physics D (Adv)

6 credit points. **Session:** 2. **Prerequisite:** 16 credit points of intermediate Physics with a credit average and 8 credit points of intermediate mathematics. **Prohibition:** PHYS (3003 or 3004 or 3005 or 3021 or 3022 or 3023 or 3024 or 3025 or 3200 or 3903 or 3904 or 3905 or 3921 or 3922 or 3923 or 3924).

This unit of study covers the same topics as PHYS 3025, with some more challenging material.

PHYS 3926 Experimental Physics C (Adv)

4 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3026 or 3027 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3927).

This unit of study covers the same topics as PHYS 3026, with some more challenging material.

PHYS 3927 Experimental Physics D (Adv)

8 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3008 or 3009 or 3026 or 3027 or 3101 or 3102 or 3105 or 3107 or 3200 or 3801 or 3908 or 3909 or 3926).

This unit of study covers the same topics as PHYS 3027, with some more challenging material.

PHYS 3928 Special Projects B (Adv)

4 credit points. **Session:** 2. **Assumed knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisite:** 16 credit points of Intermediate Physics. **Prohibition:** PHYS (3103 or 3104 or 3803 or 3804 or 3918).

Physics Honours

Dr Anne Green

Qualifying: 24 credit points of Senior Physics or equivalent.

Classes: 6 lecture courses & research project.

Assessment: coursework exams, one 40 page report.

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 coordinator.

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 coordinator or from the Web site 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 2001 Basic Physiology A

4 credit points. Dr M Muir. **Session:** 1. **Classes:** 2 lec & 2 tut or prac/wk. **Prerequisite:** 6 credit points of Junior Chemistry plus 30 credit points from Junior Biology, Chemistry, Mathematics, Physics, Psychology units of study. **Prohibition:** PHSI (2101 or 2901). **Assessment:** One 2hr theory exam, data tests, one essay, oral presentations.

NB: Students taking combined degrees or with passes in units not listed should consult the department if they do meet the prerequisites. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

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 gastrointestinal physiology and haematology. The practical component involves simple experiments on humans or using computer simulations, with an emphasis on data analysis. Both oral and written communication skills are emphasized.

Textbooks

Sherwood L. Human Physiology: From Cells to Systems, 5th edn, 2003

PHSI 2101 Integrated Physiology A

8 credit points. Dr M Frommer. **Session:** 1. **Prerequisite:** 6 credit points of Junior Chemistry plus 30 credit points from Junior Biology, Chemistry, Mathematics, Physics, Psychology units of study. **Prohibition:** PHSI (2001 or 2901). **Assessment:** One 3hr theory exam, data tests, one essay, oral presentations.

NB: Students taking combined degrees or with passes in units not listed should consult the department if they do meet the prerequisites. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

This unit of study incorporates PHSI 2001 but deals with the physiology topics covered there in more detail. These include nervous system function (nerve and muscle cells, sensory and motor systems, central processing), gastrointestinal physiology and haematology. It entails additional lectures, more complex practicals, and a component of problem-based group learning. Skills in hypothesis generation and testing, data analysis, and oral and written communication will be emphasized.

Textbooks

Sherwood L. Human Physiology: From Cells to Systems, 5th edn, 2003

PHSI 2901 Integrated Physiology A (Advanced)

8 credit points. Dr Miriam Frommer. **Session:** 1. **Classes:** 3 lec, 1 prac/tut & 1 PBL/wk. **Prerequisite:** 6 credit points of Junior Chemistry plus 30 credit points from Junior Biology, Chemistry, Mathematics, Physics, Psychology units of study. **Prohibition:** PHSI (2001 or 2101).

Assessment: One 2hr core exam, PBL essay and take-home exam, data and pre-tests, practical presentations, research assignment.

NB: Department permission required for enrolment. Available to selected students who have achieved at least 65 in half of their Junior units of study, including students in combined degrees or with passes in units not listed. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

This unit of study parallels Physiology A PHSI 2101 but replaces some problem-based learning content with a research library project.

Textbooks

Sherwood L. Human Physiology: From Cells to Systems, 5th edn, 2003

PHSI 2002 Basic Physiology B

4 credit points. Dr M Muir. **Session:** 2. **Classes:** 2 lec & 2 tut or prac/wk.

Prerequisite: 6 credit points of Junior Chemistry plus 30 credit points from Junior Biology, Chemistry, Mathematics, Physics, Psychology units of study. **Prohibition:** PHSI (2102 or 2902). **Assessment:** One 2hr theory exam, data tests, one essay, oral presentations.

NB: Students taking combined degrees or with passes in units not listed should consult the department if they do meet the prerequisites. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

This unit of study gives a basic introduction to the functions of the remaining body systems: cardiovascular, respiratory, endocrine, reproductive and renal. The practical component involves simple experiments on humans or using computer simulations, with an emphasis on data analysis. Both oral and written communication skills are emphasized.

Textbooks

Sherwood L. Human Physiology: From Cells to Systems, 5th edn, 2003

PHSI 2102 Integrated Physiology B

8 credit points. Dr M Frommer. **Session:** 2. **Prerequisite:** 6 credit points of Junior Chemistry plus 30 credit points from Junior Biology, Chemistry, Mathematics, Physics, Psychology units of study. **Prohibition:** PHSI (2002 or 2902). **Assessment:** One 3hr theory exam, data tests, one essay, oral presentations.

NB: Students taking combined degrees or with passes in units not listed should consult the department if they do meet the prerequisites. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

This unit of study incorporates PHSI 2002 but deals with the physiology topics covered there in more detail. These include the cardiovascular, respiratory, endocrine, reproductive and renal systems. It entails additional lectures, more complex practicals, and a component of problem-based group learning. Skills in hypothesis generation and testing, data analysis, and oral and written communication will be emphasized.

Textbooks

Sherwood L. Human Physiology: From Cells to Systems, 5th edn, 2003

PHSI 2902 Integrated Physiology B (Advanced)

8 credit points. Dr Miriam Frommer. **Session:** 2. **Classes:** 3 lec, 1 prac/tut & 1 PBL/wk. **Prerequisite:** 6 credit points of Junior Chemistry plus 30 credit points from Junior Biology, Chemistry, Mathematics, Physics, Psychology units of study. **Prohibition:** PHSI (2002 or 2102).

Assessment: One 2hr core exam, PBL essay and take-home exam, data and pre-tests, practical presentations, research assignment.

NB: Department permission required for enrolment. Available to selected students who have achieved at least 65 in half of their Junior units of study, including students in combined degrees or with passes in units not listed. The completion of MBLG 2001 or 2101 or 2901 is highly recommended.

This unit of study parallels PHSI 2102 Physiology B but replaces some problem-based learning content with a research library project.

Textbooks

Sherwood L. Human Physiology: From Cells to Systems, 5th edn, 2003

PHSI 3001 Neuroscience

12 credit points. Dr J Mitrofanis, Dr D Protti. **Session:** 1. **Classes:** 4 lec & 8 prac/wk. **Prerequisite:** For BMedSc: at least 32 credit points of Intermediate BMed units including BMed (2501 and 2503 and 2505).

For others: PHSI (2101 or 2001 or 2901) or ANAT 2003; and MBLG (2001 or 2101 or 2901) or BCHM (2001 or 2101 or 2901); plus at least 8 credit points of Intermediate Science units of study. **Prohibition:** PHSI 3901.

Assessment: Two 2hr exams, spot test, essay, prac report, seminar presentation.

NB: A minimum of 8 credit points of Intermediate Physiology and/or Anatomy is recommended.

The aim of this unit of study is to give the student a comprehensive view of the structure and function of the human 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. The lecture series addresses the different topics, each of which offers special insight into the normal function of the nervous system in health and disease.

Practical: The practical component of this unit of study consists of small group tutorials in neuroanatomy, experimental and computer based sessions on physiological methods, and small group sessions in which you will discuss current research papers related to the lecture topics. You will have the opportunity to examine human brain specimens during the tutorials, and in the Wilson Museum in the Department of Anatomy and Histology. Computer based facilities which allow you to learn the brain structures by simulated dissection are also available.

Textbooks

Kandel E, Schwartz J, & Jessell T. Principles of Neural Science (4th ed), McGraw Hill

PHSI 3901 Neuroscience (Advanced)

12 credit points. Dr D Protti, Dr J Mitrofanis. **Session:** 1. **Classes:** 4 lec, 1 tut & 7 prac/wk. **Prerequisite:** For BMedSc: at least 32 credit points of Intermediate BMED units including BMED (2501 and 2503 and 2505). For others: PHSI (2101 or 2001 or 2901) or ANAT 2003; and MBLG (2001 or 2101 or 2901) or BCHM (2001 or 2101 or 2901); plus at least 8 credit points of Intermediate Science units of study. **Prohibition:** PHSI 3001. **Assessment:** Two 2hr exams, spot test, essay, prac report, seminar presentation.

NB: Department permission required for enrolment. A minimum of 8 credit points of Intermediate Physiology and/or Anatomy is recommended. Permission required for enrolment. Available to selected students who have achieved a mark of at least 65 in the prerequisite units of study.

The lecture component and practical component are the same as for PHSI 3001. Selected students will be set special advanced assignments and attend tutorials on those assignments during the practical sessions.

PHSI 3002 Neuroscience – Cellular and Integrative

12 credit points. Dr K Keay, Prof M Bennett. **Session:** 2. **Classes:** 3 lec, 2 tut & 6hr research/wk. **Prerequisite:** For BMedSc: 32 credit points of Intermediate BMED units including BMED (2501 and 2503 and 2505). For others: 16 credit points of Intermediate Science units of study from Anatomy and Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Pharmacology, Physics, Physiology, Psychology or Statistics. **Prohibition:** PHSI 3902. **Assessment:** One 2hr exam, tutorial participation, research report.

NB: The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

This second semester unit is designed to introduce students to 'cutting edge' issues in the neurosciences. In a combination of small lectures, discussion groups and laboratory or library based research projects, new, innovative or controversial issues in neuroscience research are covered. These usually include discussion of findings published in the most recent editions of scientific journals and often research in progress in the departments of Anatomy and Histology and Physiology (Institute of Biomedical Research). The unit follows two general 'strands', the first deals with cellular and molecular approaches, and the second, integrative approaches to understanding nervous system function and dysfunction. Some of the issues covered in recent years have included mechanisms of neurotoxicity and how to prevent neurodegeneration, how to prevent shock following trauma, the design of novel anti-schizophrenic and anti-parkinsonian drugs, the ways in which development of the brain is organised and what happens when it goes wrong.

PHSI 3902 Neuroscience- Cellular & Integrative Adv

12 credit points. Dr K Keay, Prof M Bennett. **Session:** 2. **Classes:** 3 lec, 2 tut & 6 prac/wk. **Prerequisite:** For BMedSc: 32 credit points of Intermediate BMED units including BMED (2501 and 2503 and 2505). For others: Credit or better in PHSI 3001; and 16 credit points of Intermediate Science units of study from Anatomy and Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Pharmacology, Physics, Physiology, Psychology or Statistics. **Prohibition:** PHSI 3002.

Assessment: One 2hr exam, tutorial participation, research report.

NB: Department permission required for enrolment. Permission required for enrolment. Available to selected students who have achieved a mark of at least 65 in the prerequisite units of study.

The completion of MBLG (2001 or 2101 or 2901) is highly recommended.

The lecture and practical component are the same as for PHSI 3002. Selected students will be set special advanced assignments and attend tutorials on those assignments during the practical sessions.

PHSI 3003 Heart and Circulation

12 credit points. Dr J Hoh, Mrs I Schneider. **Session:** 2. **Classes:** 4 lec, 2 tut & 6hr prac/wk. **Assumed knowledge:** PHSI (2001 or 2101 or 2901) and BCHM (2002 or 2102 or 2902). **Prerequisite:** For BMedSc: 32 credit points of Intermediate BMED units including BMED (2501 and 2503 and 2505). For others: PHSI (2002 or 2102 or 2902) and MBLG (2001 or 2101 or 2901) plus at least 8 credit points of Intermediate Science units of study. **Prohibition:** PHSI 3903. **Assessment:** One 3hr exam, essays, prac reports, seminar presentations.

NB: A minimum of 8 credit points of Intermediate Physiology and BCHM (2002 or 2102 or 2902) are strongly recommended.

This unit of study offers an up to date and in depth treatment of 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 muscle 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, the unit of study deals with short term (neural) mechanisms controlling the blood pressure, and how the system behaves during exercise and other stresses. Long term (hormonal) mechanisms regulating blood pressure via the renal control of extracellular fluid volume, and the pathophysiology of atherosclerosis and hypertension are also discussed.

Practical: Lectures are combined with practical laboratory experiments on animals and human subjects.

PHSI 3903 Heart and Circulation (Advanced)

12 credit points. Dr J Hoh assisted by Ms I Schneider. **Session:** 2. **Classes:** 4 lec, 2 tut & 6hr prac/wk. **Assumed knowledge:** PHSI (2001 or 2101 or 2901) and BCHM (2002 or 2102 or 2902). **Prerequisite:** For BMedSc: 32 credit points of Intermediate BMED units including BMED (2501 and 2503 and 2505). For others: PHSI (2002 or 2102 or 2902) and MBLG (2001 or 2101 or 2901) plus at least 8 credit points of Intermediate Science units of study. **Prohibition:** PHSI 3003. **Assessment:** One 3hr exam, essays, prac reports, seminar presentations.

NB: Department permission required for enrolment. A minimum of 8 credit points of Intermediate Physiology and BCHM (2002 or 2102 or 2902) are strongly recommended. Permission required for enrolment. Available to selected students who have achieved a mark of at least 65 in the prerequisite units of study.

The lecture and practical component are the same as for PHSI 3003. Selected students will be set special advanced assignments and attend tutorials on those assignments as negotiated with a member of the academic staff.

PHSI 3004 Human Cellular Physiology

12 credit points. Dr Bill Phillips. **Session:** 1. **Classes:** 4 lec, 6 prac & 2 small group PBL/wk. **Prerequisite:** For BMedSc: 32 credit points of Intermediate BMED units including BMED (2501 and 2502 and 2504). For others: PHSI (2001 or 2101 or 2901) and PHSI (2002 or 2102 or 2902) and either MBLG (2001 or 2101 or 2901) or BCHM (2001 or 2101 or 2901). **Prohibition:** PHSI 3904. **Assessment:** Written exams, 1 essay, practical reports, oral presentations.

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 and practical classes 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, cystic fibrosis and osteoporosis.

Practical: A problem-based learning (PBL) stream will introduce students to reading and interpreting scientific papers. It involves reading lists structured to address written biological problems. A Methods series of lectures will provide an overview of techniques widely employed in cellular physiology to aid in students' interpretation of published experimental evidence.

Finally, the practical course will emphasize experimental design and interpretation. Collectively, the PBL, Methods lecture series and practical classes are intended to begin to develop skills and outlook to prepare students for the Honours year of research.

PHSI 3904 Human Cellular Physiology (Advanced)

12 credit points. Dr Bill Phillips. **Session:** 1. **Classes:** 4 lec, 6 prac & 2 small group PBL/wk. **Prerequisite:** For BMedSc: 32 credit points of Intermediate BMED units including BMED (2501 and 2502 and 2504). For others: PHSI (2001 or 2101 or 2901) and PHSI (2002 or 2102 or 2902) and either MBLG (2001 or 2101 or 2901) or BCHM (2001 or 2101 or 2901). **Prohibition:** PHSI 3004. **Assessment:** Written exams, 1 essay, practical reports, oral presentations.

NB: Department permission required for enrolment. Permission is required for enrolment. Available to selected students who have achieved an average of at least 65 in the prerequisite units of study.

The lecture and practical component are the same as for PHSI 3004. Selected students will be set special advanced assignments and attend tutorials on those assignments as negotiated with a member of the academic staff.

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.

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, 2111, 2112, 2113, 2114, and eight Senior units of study selected from PSYC 3201*, 3202*, 3203, 3204, 3205, 3206, 3208, 3209, 3210, 3211, 3212, 3214, 3215 and 3216 (*Required for entry to Fourth Year). Mid year entry is possible and involves modification of this sequence.

The units of study available are:

- PSYC 1001, 6 credit points
- PSYC 1002, 6 credit points
- PSYC 2111, 4 credit points
- PSYC 2112, 4 credit points
- PSYC 2113, 4 credit points
- PSYC 2114, 4 credit points
- PSYC 3201, 4 credit points
- PSYC 3202, 4 credit points
- PSYC 3203, 4 credit points
- PSYC 3204, 4 credit points
- PSYC 3205, 4 credit points
- PSYC 3206, 4 credit points
- PSYC 3208, 4 credit points
- PSYC 3209, 4 credit points
- PSYC 3210, 4 credit points
- PSYC 3211, 4 credit points
- PSYC 3212, 4 credit points
- PSYC 3214, 4 credit points
- PSYC 3215 4 credit points
- PSYC 3216 4 credit points

Students who have completed PSYC 3001 and/or 3002 must obtain the permission of the Head of School of Psychology before enrolling in any of PSYC 3201 to 3216.

Registration and noticeboards

Students in all years must register during the orientation period. Psychology 1001 students register by going to the Carslaw Building during orientation and collecting a personalised computer generated timetable, 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.

Information about registration meetings for Intermediate and Senior Psychology students will also be posted at the Enrolment Centre, and on the School noticeboards on the 5th floor of the Griffith-Taylor Building, as well as the School web-site.

Enquiries

The main enquiry office of the School is Room 416, Griffith-Taylor Building (phone (02) 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. These Psychology units include Psychology 2111, 2112, 2113, 2114, 3201, 3202, and at least six other Senior Psychology units from Psychology 3203, 3204, 3205, 3206, 3208, 3209, 3210, 3211, 3212, 3214, 3215 and 3216. 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, PSYC 1002 and PSYC 3201 are offered in the Sydney Summer School. Consult the Sydney Summer School Web site for more information. www.summer.usyd.edu.au/

PSYC 1001 Psychology 1001

6 credit points. **Session:** 1, Summer. **Classes:** 3 lec, one 2hr demonstration/tut/wk. **Assessment:** One 2hr exam, one 1000w essay, two tut 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; sensory processes; social psychology; personality theory.

Summer School: January-February

This department offers PSYC 1001 in the Sydney Summer School. Consult The Sydney Summer School Web site for more information. www.usyd.edu.au/summerschool/

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. **Session:** 2, Summer. **Classes:** 3 lec & 2hr demonstration/tut/wk. **Assessment:** One 2hr exam, one 1000w essay, two tut 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 abnormal psychology; visual perception;

cognitive processes. Summer School: January-February This department offers PSYC 1001 in the Sydney Summer School. Consult The Sydney Summer School Web site for more information. www.usyd.edu.au/summerschool/

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 2111 Learning, Neuroscience and Perception

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 prac/wk. **Qualifier:** PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry). **Assessment:** Multiple choice exam, lab report, tutorial quiz.

This unit of study examines a range of phenomena and principles in perception and learning and their relations to 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. Perceptual phenomena include recognition of faces and 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 Web site

PSYC 2112 Psychological Statistics

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 prac/wk, 1 computer tut/fortnight. **Qualifier:** PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry). **Assessment:** Class tests, Group project, Multiple choice exam.

The aim of this unit of study is to introduce students to some of the fundamental concepts in statistics as used in Psychology. These include summary descriptive statistics and an introduction to the principles and practice of experimental design and inferential statistics. Building upon this ground work, the unit of study aims to develop 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 Web site

PSYC 2113 Cognitive Processes & Social Psychology

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 prac/wk. **Qualifier:** PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry). **Assessment:** Class quiz, prac assignment, multiple choice/short-answer exam.

This unit expands the depth and range of topics introduced in the first year lectures on Cognitive Processes, Developmental Psychology and Social Psychology. The first section on cognitive psychology focuses on current theories of memory, attention and problem-solving and discusses the methods and issues involved in investigating these processes in both healthy individuals and people with cognitive dysfunctions. The second section presents and evaluates evidence about the effects of the early environment that a child is exposed to on cognitive and social development. The final section focuses on two main areas of Social Psychology: (1) Group and inter-group relationships and (2) Interpersonal processes, with a particular emphasis on altruism, helping behaviour, affiliation and attraction. The practical program will provide students with hands-on experience of some of the research methods used in cognitive and social psychology, develop an understanding of how to test hypotheses about the factors influencing human behaviour and consider the practical implications of theories and research about cognitive, developmental and social psychology.

Textbooks

See School Web site

PSYC 2114 Personality and Individual Differences

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut & 1hr self-paced computer/library research/wk. **Qualifier:** PSYC 1001 and 1002 (Note: 16 credit points of Intermediate Psychology is required for Honours entry). **Assessment:** Personality: 1hr exam & essay; Individual Differences: 1hr exam and quiz.

PSYC 2114 is made up of two components: Personality and Individual Differences. The aim of the Personality component is to introduce the student to various psychodynamic theories of personality, Eysenck's biological typology and current trait theory. Students will be exposed to conceptual analysis and encouraged to critically evaluate the various theories covered. The aim of the Individual Differences component is to introduce the major issues in individual differences and group differences in human abilities. It is divided into two parts: 5 lectures on individual differences and 8 lectures on group differences. Students are expected to gain an understanding about the major theories of intelligence and of the facts related to the traditional areas of group differences.

Textbooks

See Departmental handout

PSYC 3201 Statistics and Psychometrics

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 prac & 1hr unsupervised computer practice/wk. **Prerequisite:** 8 credit points of Intermediate Psychology including PSYC 2112. **Assessment:** Class test, assignment, examination.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

PSYC 3201 consists of two components, Statistics and Psychometrics. The aim of the Statistics component is to teach students the structure of experiments for which analysis of variance would be an appropriate means of analysis. The unit of study aims to develop students' ability to ask more focused questions than can be answered by omnibus F tests, specifically

by the testing of contrasts. The problems of multiple inferences, and the control of the Type I error rate, are an integral aspect of the unit of study.

The objective of the Psychometrics component is to introduce students to measurement as understood in Psychology, to a range of quantitative theories and to the basic concepts of classical psychometrics, item analysis and test construction.

Textbooks

See School Web site

PSYC 3202 History and Philosophy of Psychology

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut & 1hr self paced library research/wk. **Prerequisite:** 12 credit points of Intermediate Psychology. **Assessment:** 2hr exam, 1 x 2000 word essay.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

PSYC 3202 consists of two components: History of Psychology and Philosophy of Psychology. The History of Psychology introduces the historical foundations of Western psychology from Descartes through to the cognitive revolution in the 1960's. In covering important individuals, movements and themes, attention is drawn to debate about interpretation of the historical process, and to analysis of the form and structure of the various arguments presented in favour of certain psychological theories. The Philosophy of Psychology introduces traditional and contemporary themes in the philosophy of science, with focus on the relevance to psychology. Students are expected to become aware that metatheoretical analysis has a central place in psychology alongside empirical methods, that the basic concepts and theories of psychology involve philosophical assumptions which can be articulated and examined.

Textbooks

See School Web site

PSYC 3203 Abnormal Psychology

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** PSYC 2111 and PSYC (2113 or 2114). **Assessment:** 2hr exam, report/presentation.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

This unit of study examines core issues in Abnormal Psychology. The unit of study will cover aspects of adult abnormality and child abnormality and 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, Intellectual and educational assessment of children; Pervasive developmental disorders; Attention deficit disorder; Conduct disorder; Anxiety disorders in children and adolescents; Depression.

Textbooks

See School Web site

PSYC 3204 Behavioural Neuroscience

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 prac/wk. **Prerequisite:** 8 credit points of Intermediate Psychology including PSYC 2111. **Assessment:** 2hr exam, class quiz, poster presentation, class participation.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

This unit of study carries on from the Neuroscience component of PSYC 2111, providing more specialised coverage in the areas of psychopharmacology, addiction, molecular neuroscience, sensorimotor integration and the neural basis of learning and memory. Topics to be covered include Psychopharmacology (basic actions of drugs on the brain, mechanism of action of antidepressant, antipsychotic and anxiolytic drugs, effects of recreational drugs (cannabis, MDMA, alcohol, opiates) on brain, behaviour and cognition); Addiction (the neural basis of addiction, animal models of intravenous drug use and relapse to drug seeking behaviour); Molecular Neuroscience (effects of drugs on gene expression, the use of knockout mice and transgenic techniques in neuroscience); Neurobiology of learning and memory (the synaptic and neuroanatomical basis of associative learning and memory retrieval); Sensorimotor Integration (functions of the vestibular system, the role of the hippocampus in spatial learning). In the first few weeks of the unit, tutorials consist of demonstrations and practicals covering basic neuroanatomy, histology and neuropharmacology. In the

latter part of the course, tutorials involve groups of students giving poster presentations of recent 'hot' papers in the behavioural neuroscience field.

Textbooks

See School Web site

PSYC 3205 Cognition, Language and Thought

4 credit points. **Session:** 1. **Classes:** 2 lec & 2hr prac/fortnight.

Prerequisite: PSYC (2112 and 2113). **Assessment:** 2hr exam, class quiz, report & class participation.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

The aim of this unit of study is to extend the theories and methods of investigating memory and attentional processes discussed in PSYC 2113 to consider a number of domains of higher cognitive processing. One segment of the course will deal with language processing and focus on theoretical issues and research evidence about the processes involved in speech perception and production, visual word recognition reading, language comprehension and language acquisition. The remainder of the course will deal with topics such as the development of expertise, creativity and problem solving, decision-making and the relationship between cognition and emotion. The practical program will expose students to a variety of the research methods used to investigate higher cognitive processes, develop students' understanding of how these methods can be used to investigate hypotheses about mental processes, consider applications of cognitive research to real-world problems and provide opportunities to discuss the theoretical, methodological and practical implications of the cognitive psychological issues considered in lectures and tutorials.

Textbooks

See School Web site

PSYC 3206 Developmental Psychology

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Psychology. **Assessment:** 2hr exam, report, tutorial assessment.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

This unit of study examines various theoretical approaches to 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 current developmental theory and research. In addition 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 required to apply their knowledge in practical exercises involving observations of children.

Textbooks

See School Web site

PSYC 3208 Intelligence

4 credit points. **Session:** N/A in 2004. **Classes:** 2 lec & 1 tut/wk.

Prerequisite: PSYC (2112 and 2114). **Assessment:** 2hr exam, tutorial quizzes.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

The aim is to provide an overview and critical platform to evaluate recent studies of individual differences in human cognitive abilities. The unit introduces major contemporary issues in individual differences in human abilities and intelligence. The emphasis of the latter part is on recent work on the topics related to (a) Psychometric research on intelligence; (b) Experimental cognitive correlates approach to intelligence; (c) Biological aspects of intelligence; and (d) the role of metacognitive abilities in intelligence. Some of the work carried out at this University is also discussed.

Textbooks

See School Web site

PSYC 3209 Learning and Motivation

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** PSYC (2111 and 2112). **Assessment:** Report, exam.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

PSYC 3209 addresses the fundamental concepts and more important research findings of contemporary learning theory and selected approaches to motivation. It examines the application of such fundamental research to issues such as drug tolerance, food choice, stress and health. It is designed to develop skills in

reading primary sources in this area; and to provide the opportunity for hands-on experience of planning and carrying out a research project.

Textbooks

See School Web site

PSYC 3210 Perceptual Systems

4 credit points. **Session:** 1. **Classes:** 2 hrs lec & 1 hr lab/wk.

Prerequisite: PSYC (2111 and 2112). **Assessment:** 2hr exam, tutorial assessment.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

This unit covers at an advanced level selected topics in Perception from both the psychophysical and neuroscientific perspectives. Students are expected to gain an understanding of the main theoretical perspectives in current research, to appreciate the significance and relevance of basic perceptual research for understanding normal perceptual functioning, and to be able to evaluate the conceptual and empirical worth of research contributions.

Textbooks

See School Web site

PSYC 3211 Psychological Assessmt. & Organisational

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** PSYC (2112 and 2114). **Prohibition:** PSYC 3207 (except with permission from the Head of Department). **Assessment:** 2hr exam, tutorial evaluation.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

The Psychological Assessment component covers fundamental issues in the construction, evaluation and administration of psychological tests with particular emphasis on tests of personality. Students will be given 'hands-on' experience with a variety of psychological instruments including those used for personality, aptitude and clinical assessment. A variety of psychometric 'skills' (eg, calculating reliability, rudiments of scale construction) will also be taught. This component of the unit will conclude with an introduction of state of the art issues in psychological assessment including demonstrations of adaptive and computerised testing and discussion of item response theory (IRT) and factor analysis.

The Organisational Psychology component focuses on performance in the work place and the influence of social factors on such performance. Various aspects of the workplace will be examined, including leadership, workplace conflict, job satisfaction, selection and appraisal.

Textbooks

See School Web site

PSYC 3212 Social Psychology

4 credit points. **Session:** 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** 8 credit points of Intermediate Psychology including PSYC 2113.

Assessment: 1.5hr exam, classwork quiz.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

PSYC 3212 continues the coverage of topics in Social Psychology begun in the unit PSYC 2113. The unit is divided into topic areas where the focus is on evaluating theories and the relevant evidence. In any one year approximately four topics will be covered from the following list: affiliation and attraction, social motivation (especially aggression), social cognition, social competence, the impact of aspects of the physical environment on social behaviour, jury decision making, interpersonal communication, and social development through the lifespan. 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 the topics covered in lectures.

Textbooks

See School Web site

PSYC 3214 Communication and Counselling

4 credit points. **Session:** 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisite:** PSYC (2113 and 2114). **Assessment:** 2 hour examination, tutorial assessments.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

The communication component 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. The counseling component of the unit aims to provide an introduction to counseling psychology, to critically examine the theoretical foundations of counseling processes and their application, and to consider relevant empirical research and professional issues.

Textbooks

See School Web site

PSYC 3215 **Cognitive Neuroscience & Neuropsychology**

4 credit points. **Session:** 2. **Classes:** 2 lec/wk & 2 hr lab/fortnight.

Prerequisite: Two of PSYC (2111, 2112, 2113). **Assessment:** 2 hr exam; laboratory class assessment.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

The unit of study will encompass two components. The Cognitive Neuroscience component will focus on approaches to studying the human brain at different scales of function (microscopic to macroscopic), the link between cognitive and biological models of brain function and dysfunction, and the application of these models to understanding cognitive neuropsychiatric disorders such as post-traumatic stress, schizophrenia and attention-deficit disorder. The Cognitive Neuropsychology component will use evidence about the selective breakdown of specific cognitive domains (eg, memory, language, visual cognition, praxis) in a variety of neurodegenerative disorders to (1) examine the functional neuroanatomy underpinning those cognitive domains and (2) explore the implications of focal cognitive deficits in neurological patients for models of normal cognitive function.

Textbooks

See School Web site

PSYC 3216 **Health and Safety Psychology Principles**

4 credit points. Dr R.F. Soames Job, Dr Julie Hatfield. **Session:** N/A in

2004. **Classes:** 2 lec, 1 tut. **Prerequisite:** PSYC (2111 and 2112).

Assessment: 2hr exam, 2000w essay.

NB: 32 credit points of Senior (third year) Psychology is required for a Psychology Major

The unit of study aims to develop an awareness of the general nature of Health and Safety Psychology, of the extent of preventable health problems and the likely victim groups, and of the role of psychological factors in the aetiology, prevention, and management of health problems. The unit of study will aim also to develop students' ability to understand and evaluate research methodology in health psychology, and to identify the implications which can be drawn from cross-sectional observational, longitudinal observational, and experimental research designs. Topics covered include: several models of health-related behaviour, optimism bias (the phenomenon and its measurement, causal models and possible consequences), psychological factors in road safety, psychological issues related to health promotion messages (and factors which influence their efficacy), psychological factors in occupational health and safety, interactions with the health-care system, stress and its health consequences (including the role of coping and personality), the role of organisational psychology in occupational stress, and stress management, the influence of lifestyle on health (with particular consideration of diet, exercise and sleep), and the effects of noise exposure (methodological issues, behavioural, cognitive, and physical effects and their interrelationships, as well as the moderating role of psychological factors such as noise sensitivity and attitudes toward the noise source). The tutorial program aims to develop an ability to read and understand Health and Safety Psychology research articles, and an appreciation of ethical issues in Health and Safety Psychology research. It will also provide experience in conducting Health and Safety Psychology research.

Textbooks

See School Web site

Psychology Honours

Prerequisite: Average of Pass with Credit or better in 16 credit points of Intermediate Psychology, and also in at least 32 credit points of Senior Psychology which must include PSYC 3201 and 3202. 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:

- (a) devise, conduct and report upon an empirical research project (research area dependent on interests & specialities of staff members);
- (b) write a theoretical thesis or attend two Special Fields seminars and complete required assessment tasks; and
- (c) attend one lecture series in Ethics and Issues in Psychology and two series of lectures in Research Methods.

8 Degree regulations and policies

■ 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

The 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 Social Work (MSW);
 - (g) Master of Social Work (International) (MSW (International));
 - (h) Master of Philosophy in Social Work (MPhilSW)
 - (i) Master of Philosophy in Education (MPhilEd);
 - (j) Doctor of Philosophy (PhD);
 - (k) Doctor of Education (EdD);
 - (l) Doctor of Social Work (DSW);
 - (m) 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) Management and Human Resource Development;
 - (b) Teaching English to Speakers of other Languages/ Languages;
 - (c) Teaching and Curriculum Studies;
 - (d) Information Technology in Education;
 - (e) Special Education;
 - (f) Educational Psychology;
 - (g) English and Literacies in Education;
 - (h) Health Education;
 - (i) Research Methodology;
 - (j) Vocational Education and Training; and

(k) Higher education

The certificates for the degrees shall specify the area of study in which the degrees have been awarded.

3. 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 Educational Studies (Coach Education) (GradDipEdStud (Coach Education))
 - (c) Graduate Diploma in International Education (GradDipIntEd)
 - (d) Graduate Diploma in the Teaching of English as a Foreign Language (GradDipTEFL)
 - (e) Graduate Diploma in Social Work (GradDipSW)
 - (f) Graduate Certificate in Educational Studies (GradCertEdStud)
 - (g) Graduate Certificate in Educational Studies (Higher Education) (GradCertEdStud(Higher Education))
 - (h) Graduate Certificate in Educational Studies (Coach Education) (GradCertEdStud(Coach Education))
 - (i) Graduate Certificate in International Education (GradCertIntEd)
 - (j) Graduate Certificate in Teaching English as a Foreign Language (GradCertTEFL)
 - (k) Graduate Certificate in Social Work: Professional Practice Supervision (GradCertSW:PPS)
 - (l) Graduate Certificate in Social Work: Dying, Death and Palliative Care (GradCertSW:DDPC)

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. Definitions for Bachelor of Education

In these resolutions, unless a contrary intention appears:

‘area’ means a specialised curriculum area within a field of study in education (mathematics, humanities and social sciences, human movement and health, and technological and applied studies);

‘candidate’ means a candidate for the degree of Bachelor of Education;

‘degree’ means the degree of Bachelor of Education;

‘field of study’ means the field in which the degree is studied (primary education and/or secondary education);

‘Faculty’ means the Faculty of Education;

‘non-professional subject’ means a subject not offered by the Faculty of Education;

‘program of study’ means a program of study established under resolutions specified within each field of study in education;

‘requirements’ means the coursework requirements for award of the degree of Bachelor of Education;

a ‘unit of study’ shall consist of such seminars, lectures, tutorial instruction, essays, exercises and practical work as may be prescribed by the Faculty. In these resolutions ‘to complete a unit of study’ and derivative expressions means:

 - to attend the lectures and the meetings, if any, for seminars or tutorial instruction;
 - to complete satisfactorily the essays, exercises and the practical work, if any; and
 - to pass the examinations of the unit of study;

‘year’ means the chronological year in which specified requirements for candidature for the degree must be undertaken and/or completed.

‘professional experience’ means school observations, practicum, practice teaching or internship in a school or other educational context
2. Pass degree and degree with Honours (Education)
 - (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 three classes of Honours, namely, Class I, Class II and Class III and within Class II there shall be 2 divisions, namely division 1 and division 2.
 - (c) Candidates for the Honours degree may be awarded the Pass degree.
3. 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.
4. Transitional provisions
 - (1) These resolutions shall apply to:
 - (a) persons who commence their candidature after 1 January 2003; and

- (b) persons who commenced their candidature prior to 1 January 2003 and who, with permission of Faculty, elect to proceed under these resolutions.
- (2) A candidate for the degree who commenced candidature prior to 1 January 2003 may complete the requirements in accordance with the resolutions of the Senate in force at the time the candidate commenced, provided that the candidate shall complete the requirements by 1 January 2007 or such later date as the Faculty may, in special circumstances, approve.

Programs of study

Pass degree

5. 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 20 credit points; and
- (3) Either:
 - (a) Senior, 200 level units of study, comprising a full year of study in a subject area, total of 16 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 16 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 16 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 16 credit points; [Honours students enrol in EDUF 3205 (4 credit points) and EDUF 3206 (4 credit points) as two of their four options]; and
- (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 32 credit points.

Year IV

- (1) 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 32 credit points, and
- (2) Either:
 - (a) Units of study chosen from the following*:
 - (i) Senior, 200 or 300 level, units of study, total of 16 credit points, offered by a department or school within the Faculty of Arts; or
 - (ii) Intermediate or Senior units of study, total of 16 credit points, offered by a department or school within the Faculty of Science; or
 - (iii) Second or Third Year units of study, total of 16 credit points, offered by a department or school within the Faculty of Economics and Business; or
 - (iv) A Special unit of study (Primary) selected from the table of units of study and approved by the Faculty of Education, or 8 credit points; or
 - (v) A program of study in Special Education, 16 credit points*; or

- (v) For students undertaking the Faculty of Education Honours program, Special unit of study Honours A (8 credit points) and Special unit of study Honours B (8 credit points).

*students undertaking these programs of study will need to over enrol by 8 credit points in each case.

Secondary Education

6. 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; 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 of 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 20 credit points; and
- (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 16 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 16 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 16 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 16 credit points. [Honours students enrol in EDUF 3205 (4 credit points) and EDUF 3206 (4 credit points) as two of their four options]; 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 32 credit points.

Year IV

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 48 credit points. [Honours students enrol in units of study with a total value of 40 credit points, and do not enrol in either of the option units of study.]

For students undertaking the Faculty of Education Honours program, Special unit of study Honours A (4 credit points) and Special unit of study Honours B (4 credit points).

7. Design and Technology

(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

- (a) Design Fundamentals 1A and 1B: Applied Studies undertaken at TAFE; and
- (b) Junior units of study in Education, as specified in the table of units of study, total of 12 credit points; and
- (c) Information Processes and Technology I and II; or Food Science I and II; and
- (d) Teaching Technology 1A and 1B; and
- (e) Craft Knowledge and Professional Practice I.

Year III

- (a) Design Fundamentals 2A and 2B: Applied Studies undertaken at TAFE; and
- (b) EDUF 2006 and EDUF 2007; and
- (c) Teaching Technology 2A and 2B; and
- (d) Professional Experience I (40 days).

Year IV

- (a) Senior, 300 level, units in Education (must include EDUF 3021); and
- (b) Teaching Design and Technology IIIA and IIIB; and
- (c) Craft Knowledge and professional Practice II; and
- (d) Teaching Technology (VET): Hospitality I and II; or
- (e) Teaching Technology (VET): Information Technology I and II; and
- (f) Food Science III and IV; or
- (g) Software Design and Development I and II; and
- (h) Professional Experience II (40 days); and
- (i) Graduating Design Project.

8. 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 Aboriginal Assistants Education 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 following program of units of study:

Units of study and codes for the BEd(Secondary: Aboriginal Studies)

Unit of study	Credit points
<i>Year 1</i>	
EDUS 2016 Experiential Learning in History	2
EDUS 4044 Teaching World War 1	2
EDUS 4605 Teaching the Historical Environment	2
EDUF 3021 Special Education: Inclusive Schools	4
EDUF 3113 Ethnic Relations and Education	4
EDUF 3134 Developing Gendered Identity	4
KOCR 2101 Indigenous Australians: Land and Culture	8
KBED 3201 Practicum 2	4
KBED 4102 Teaching Stages 4–5 Aboriginal Studies	4
HSTY 2014 Australian Social History	8
HSTY 1043 Modern European Politics and Culture	6
Total:	48
<i>Year 2</i>	
EDUF 3003 Evaluation and Measurement in Education	4
EDUF 4010 Teaching and Learning: Reflective Teaching and Curriculum Planning	4
EDUF 4012 Teaching and Learning: Learners with Special Needs	2
EDUF 4013 Teaching and Learning: Coaching School Sport	2
EDUF 4014 Teaching and Learning: Preparation for Entering the Profession	2
EDUF 4015 Teaching and Learning: Issues in School Health	2
EDUS 4041 Teaching Ancient History	2

Units of study and codes for the BEd(Secondary: Aboriginal Studies)

EDUS 4042 Teaching Modern History	2
KBED 4101 Practicum 3A	2
KBED 4103 Teaching Stage 6 Aboriginal Studies	2
KBED 4201 Practicum 3B	2
KBED 4202 Aboriginal Studies Research Project	2
KBED 4203 Racism in Education	4
HSTY 2042 Indigenous Experiences of Decolonisation	8
KOCR 2102 Indigenous Australians: Policy and Power	8
Total:	48

9. 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 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) 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

10. 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 12 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 4 credit points; and
- (3) Senior units of study, total of 16 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 16 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) Two 300 level, Senior, units of study in Education selected from the table of units of study, including specified units, total of 8 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 32, credit points; and

- (3) Senior units of study total of 8 credit points offered by the Faculty of Arts, in selected teaching area, from Table A, being the major sequence.

Year IV

Either:

- (1) Two senior 300 level, units of study in Education, selected from the table of units of study, total of 8 credit points; or
- (2) For Honours students who have qualified for admission to the Honours program under Section 18, specified honours units, total of 8 credit points; and
- (3) 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 32 credit points; and
- (4) Senior units of study, total of 8 credit points, offered by the Faculty of Arts, in selected teaching area from Table A, being the Major Sequence.

Year V

Either:

- (1) Curriculum and Professional Studies in Secondary Education, as specified in the table of units of study, total of 16 credit points; or
- (2) Special units of study Honours A and B, 16 credit points; or
- (3) Advanced Teaching, 16 credit points; and
- (4) Professional Experience, 20 days, 8 credit points; and
- (5) Senior units of study, 24 credit points, in the major sequence to complete requirements for award of the Bachelor of Arts.

Mathematics

11. 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 13 below.
- (2) No more than 100 credit points may be from Junior units of study.

12. 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 Department 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 either of the Faculty of Arts, Science or Economics and Business, and approved by the Faculty of Education, total of 12 credit points selected from Science Table 1 or Arts 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 12 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 4 credit points; and
- (3) Intermediate units of study, 16 credit points, in Mathematics; and
- (4) Intermediate units of study offered by the Faculty of Science, total of 16 credit points, in the second approved teaching area selected from Science Table 1.

Year III

- (1) Two Senior units of study in Education, selected from the table of units of study, including specified units, 8 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 32 credit points; and
- (3) Senior units of study in Mathematics and Statistics, 8 credit points, offered by the Faculty of Science.

Year IV

Either:

- (1) Two Senior, 300 level, units of study in Education selected from the table of units of study, total of 8 credit points; or
- (2) For Honours students who have qualified for admission to the Honours program under Section 18, specified honours units, 8 credit points; and

- (3) 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 32 credit points; and

- (4) Senior units of study in Mathematics and Statistics, 8 credit points, offered by the Faculty of Science.

Year V

Either:

- (1) Curriculum and Professional Studies in Secondary Education, as specified in the table of units of study, total of 16 credit points; or
- (2) Special unit of study Honours A and B, 16 credit points; or
- (3) Advanced Teaching, 16 credit points; and
- (4) Professional Experience, 20 days, 8 credit points; and
- (5) Senior units of study, 24 credit points, in the major sequence, to complete requirements for award of the Bachelor of Science (Mathematics)

13. 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 16 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.

Science

14. 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.

15. 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 Department 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 12 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 4 credit points; and
- (3) Intermediate units of study in the minor sequence, 16 credit points, offered by the Faculty of Science selected from Science Table 1; and
- (4) Intermediate units of study in the major sequence, 16 credit points, offered by the Faculty of Science selected from Science Table 1.

Year III

- (1) Two senior, 300 level, units of study in Education, selected from the table of units of study, including specified units, total of 8 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 32 credit points; and
- (3) Senior units of study in major sequence, total of 8 credit points, offered by the Faculty of Science, selected from Science Table 1.

Year IV

Either:

- (1) Two Senior, 300 level, units of study in Education selected from the table of units of study, total of 8 credit points; or

- (2) For Honours students who have qualified for admission to the Honours program under Section 18 specified honours units, 8 credit points; and
- (3) 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 32 credit points; and
- (4) Senior units of study in the major sequence, total of 8 credit points, offered by the Faculty of Science, selected from Science Table 1.

Year V

Either:

- (1) Curriculum and Professional Studies in Secondary Education as specified in the table of units of study, 16 credit points; or
 - (2) Special units of study Honours A and B, 16 credit points; or
 - (3) Advanced Teaching, 16 credit points; and
 - (4) Professional Experience, 20 days, 8 credit points; and
 - (5) Senior units of study, 24 credit points, in the major sequence, to complete requirements for award of the Bachelor of Science
16. 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 16 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.

17. 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 either Physics or Chemistry.

Year II

- (1) Units of study in Education, as specified in the table of units of study, total of 16 credit points; and
- (2) Specified Intermediate level units of study in Psychology, 16 credit points; and
- (3) Intermediate level units of study selected from Science Table 1, 16 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 16 credit points; and
- (2) Specified Senior units of study in Psychology, 32 credit points; and

Year IV

- (1) Units of study in Education, as specified in the table of units of study, including professional experience, 20 credit points; and

- (2) Specified units of study in Psychology, 28 credit points.

Year V

- (1) Units of study in Education, as specified in the table of units of study, including professional experience, 12 credit points; and
- (2) Specified units of study in Psychology, 20 credit points; and
- (3) Senior units of study selected from Science Table 1, 16 credit points, to complete study in the Science teaching subject

18. 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
- (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 16 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, 16 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 16 credit points; and
- (2) Specified Senior units of study in Psychology, 32 credit points; and

Year IV

- (1) Units of study in Education, as specified in the table of units of study, including professional experience, 20 credit points; and
- (2) Specified units of study in Psychology, 28 credit points.

Year V

- (1) Units of study in Education, as specified in the table of units of study, including professional experience, 12 credit points; and
- (2) Specified units of study in Psychology, 20 credit points; and
- (3) Senior units of study selected from Arts Table A, 16 credit points, to complete study in the Arts teaching subject

Requirements for award of the Bachelor of Education with Honours and special provisions relating to award of honours in subjects offered by other faculties

19. Subject areas for award of degree with Honours

- (1) The Honours degree may be awarded in respect of:
 - (a) a unit of study pursued in the Faculty of Education; and/or
 - (b) a unit of study pursued in the Faculty of Arts, Science or Economics and Business
- (2) For the purposes of these resolutions students pursuing Honours as a unit of study in the Faculty of education 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
- (3) The testamur for the degree awarded with Honours shall specify the professional unit of study and/or the unit of study undertaken in the Faculties of Arts, Science or Economics and Business in which the degree has been undertaken together with the class of Honours in each unit of study.

Admission to the Education Honours programs

Prerequisites for Year III

20. Candidates eligible for the Honours Program

Suitably qualified candidates for a degree in one of Primary Education, Secondary Education (Humanities and Social Sciences), Secondary Education (Human Movement and Health), Secondary Education (Science) and Secondary Education (Mathematics), as well as approved candidates from other faculties.

- (1) (a) An applicant for admission to candidature for the Honours degree shall normally:
 - (i) have achieved average grade result of Credit or higher across Education Level 200; and
 - (ii) have achieved a result of Credit average or in some other coherent set of 16 credit points (eg, English 200 level professional units of study).
- (b) An applicant for admission to candidature for the Honours degree enrolled in a unit of study in any of the degrees of Bachelor of Arts, Bachelor of Arts (Asian Studies), Bachelor of Science, Bachelor of Economics or Bachelor of Economics (Social Sciences), shall be qualified for such admission in accordance with the resolutions of the Senate relating to those degrees.
- (c) Subject to part (2) below, an applicant for admission to candidature for a joint Honours degree in Education and in a subject offered by any of the Faculties of Arts,

Science and Economics and Business, shall satisfy the requirements for each relevant subject area as outlined in sections 9 to 15.

- (2) Honours study in faculties other than Education must be taken in accordance with the resolutions governing the award of honours in the faculty in which the honours program is being undertaken.

Progress within the Education Honours programs

21. Required level of achievement for Honours

- (1) A candidate undertaking the Honours Program shall achieve:
- (a) a grade result of Credit average or higher across Education 300 of the degree program; and
 - (b) a grade result of Credit or higher for enrolment in the units of study EDUF 3205; and
 - (c) a result of Satisfactory in the practice teaching component of the professional unit of study undertaken in Year III of the degree program; and
 - (d) Supervisor recommendation of candidature in Year IV progress report; and
 - (e) enrol in the unit of study Special Course Honours in Year IV of the degree program.
- (f) To withdraw from the entire Honours Program without penalty, such withdrawal must be effected prior to the census date in Semester 1.

22. There shall be no re-examination for award of the degree with Honours.

23. Award of degree with Class I Honours

Faculty would normally expect candidates recommended for award of the degree with Class I Honours to have achieved:

- (a) a result of Satisfactory in the practice teaching component of the professional unit of study undertaken in Year IV of the degree program;
- (b) a result at Class I Honours level for the honours thesis undertaken within Special Course Honours; and
- (c) an average grade of Distinction or higher in the honours coursework undertaken in Year III of the degree program.

24. Award of University Medal

If a candidate is awarded the degree with Class I Honours and attained High Distinction for combined Honours coursework in Year III as well as in Education 300, and if the Faculty is of the opinion that the work of the candidate is of sufficient merit, the candidate will be considered for award of a bronze medal.

25. Time limitations

Except with the permission of the Faculty, a candidate shall not be eligible for award of the Honours degree unless the candidate completes all the requirements for the degree:

- (1) in the case of Honours candidates for the Bachelor of Education degree, in not more than five years of enrolment; and
- (2) in the case of Honours for approved candidates from other faculties, in not more than six years of enrolment.

26. Subsequent award of degree with Honours for Bachelor of Education Pass graduates

- (1) A person who has been awarded the Pass degree of Bachelor of Education may, with the permission of the Faculty, be admitted to candidature for the Honours degree in an area of study offered by a Department or School in one of the Faculties of Arts, Science or Economics and Business.

A candidate admitted to candidature for the Honours degree in accordance with this section may, subject to section 25(2), qualify for the Honours degree in the Faculty concerned by fulfilling such requirements of that Faculty for award of its degree as have not already been met.

Bachelor of Social Work

27. Requirements for the pass degree

To qualify for the award of the degree a student shall complete units of study having a total value of at least 192 credit points, including:

- (1) In the first year – 48 credit points – comprising:
 - (a) Introduction to Sociology 1 and Introduction to Sociology 2; and
 - (b) 36 credit points from the table of units of study for the Bachelor of Arts course.
- (2) In the second year – 48 credit points comprising:
 - (a) 8 credit point Senior level Sociology unit of study; and

- (b) Social Inquiry: Research Methods in Sociology (8 credit points); and

- (c) Psychology for Social Work 201 and 202 (16 credit points); or

- (d) Intermediate level Psychology units of study totalling 16 credit points; and

- (e) Senior level units of study totalling 16 credit points prescribed for the award of Bachelor of Arts and taken in accordance with the resolutions for that course.

- (3) In the third year – 48 credit points comprising:

- (a) Preparation Seminar 301 (6 credit points); and

- (b) Issue Based Learning unit 1 (6 credit points); and

- (c) Issue Based Learning unit 2 (6 credit points); and

- (d) Skills Workshop 301 (6 credit points); and

- (e) Field Education 1 consisting of not fewer than 60 days and such attendance at classes as may be prescribed by the Board of Studies in Social Work (24 credit points); and

- (4) In the fourth year – 48 credit points comprising:

- (a) Issue Based Learning unit 3 (9 credit points); and

- (b) Field Education 2A and 2B consisting of not fewer than 80 days and such attendance at classes as may be prescribed by the Board of Studies in Social Work (24 credit points); and

- (c) Issue Based Learning unit 4 (9 credit points); and

- (d) Integrative Studies 402 (6 credit points).

28. Units of study completed at The University of Sydney Summer School which correspond to units of study in the Table of Undergraduate units of study may be credited towards the course requirements.

29. A candidate shall proceed according to the following progression rules:

- (a) 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 Table of Undergraduate units of study;

- (b) 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;

- (c) A candidate shall not attempt the fourth year without having obtained 144 credit points;

- (d) A candidate shall not attempt Field Education 2A and 2B without having obtained 153 credit points;

- (e) A candidate shall not attempt IBL unit 4 without having obtained 177 credit points;

- (f) a candidate shall not attempt Integrative Studies 402 without having obtained 186 credit points.

Combined Arts/Social Work course

30. A candidate qualifies for the combined courses of Bachelor of Arts and Bachelor of Social Work by completing 240 credit points including:

- (a) at least 28 credit points in Sociology (including Social Inquiry: Research Methods in Sociology); and

- (b) either 28 credit points of Psychology or Psychology for Social Work 201 and 202; and

- (c) at least 64 further Senior credit points from the Table of units of study for the Bachelor of Arts course, including a major; and

- (d) the third and fourth years of the Bachelor of Social Work course as set out in the Table of Undergraduate units of study.

31. 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 not otherwise dealt with in these resolutions.

Honours course for Bachelor of Social Work

32. Honours shall be awarded in the following manner:

- (a) The credit points in the third and fourth years shall be weighted as follows:

- (i) Third year

IBL unit 1: 2

IBL Unit 2: 2

Skills Workshop 301: 2

- (ii) Fourth year

IBL unit 3: 3

IBL unit 4: 4

Integrative Studies 402: 4

- (b) 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

33. 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;
34. 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.

Field education

35. The School of Social Work and Policy Studies shall be responsible for the selection of field education placements, the approval of students to undertake field education and, in consultation with practitioners who act as field education supervisors, for the evaluation of the candidate's performance in the field;
36. The School of Social Work and Policy Studies may withdraw a candidate who has commenced a field education placement if changes to examination results or other evidence alter the candidate's status with respect to the prerequisites for that placement;
37. The Faculty, acting on the advice of the Head of the School of Social Work and Policy Studies, may, in special circumstances, authorise the School not to place a candidate in a field education placement or to refuse permission for a candidate to undertake or continue field education;
38. These procedures shall be implemented when a student:
- while undertaking a field education placement, is excluded by either the University or agency staff from that placement, which exclusion is, as soon as possible thereafter, the subject of written report;
 - while undertaking a field education placement, is the subject of an adverse report in writing from either University or agency staff. This report refers not to unsatisfactory progress resulting in a failure in the placement, but rather to specific incidents or behaviours which, in the opinion of the reporting staff, cast doubt on the student's capacity to perform appropriately as a beginning professional practitioner in social work. Such a report may refer to overall progress in professional development, including academic, emotional and ethical matters. Such a report may be in addition to a failure in the placement; or
 - is considered by University staff in a written report to be unsuitable to undertake field education.
39. The student who is subject to the exclusion or reports set out in paragraph 38 may elect to have the matter dealt with by the Head of the School of Social Work and Policy Studies or by the Special Cases Sub-committee on Practice;
40. The Head of the School of Social Work and Policy Studies or the sub-committee shall:
- provide the student with the relevant written reports;
 - invite the student to present his or her case; and
 - review the reports and related evidence in the light of any submission made by the student.
41. The student may present a case orally or in writing, or both, and may be accompanied to any meeting with the Head of the School of Social Work and Policy Studies or sub-committee by a person of the student's choice. The Head of the School of Social Work and Policy Studies or the sub-committee shall arrange for the presence of a person to keep a record of the meeting. The record of the meeting and the decision taken shall be communicated to the student in writing;
42. The Head of the School of Social Work and Policy Studies or the sub-committee may:
- allow the student to continue in field education;
 - warn the student that the continuation of the behaviour could result in exclusion from further field education placements and allow the student to continue in field education;
 - recommend to the Dean of the Faculty that the student not be placed or continued in field education unless specified conditions have been met;

- (d) recommend to the Dean of the Faculty that the student not be placed or continue in field education.

43. In the event of a further exclusion or adverse report, the Head of the School of Social Work and Policy Studies or the sub-committee may take note of the decisions taken in relation to the previous occasion;
44. A decision under paragraph (42)(c) constitutes a failure in the field education placement concerned;
45. A decision under paragraph (42)(d) constitutes exclusion from the course;
46. Nothing in these procedures interferes with the appeal rights conferred on a student by Senate;

Section 2

47. Enrolment in more/less than minimum load
- 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.
 - 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.
48. Repeating a unit of study
- 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.
 - 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.
 - 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.
49. 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:
- the unit of study content is material not taught in any corresponding unit of study in the University; or
 - the student is unable, for good reason, to attend a corresponding unit of study at the University.
50. Restrictions on courses of enrolment
- 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)
 - (a) Except with the permission of the Faculty, candidates for the degree shall not:
 - enrol in more than 48 credit points each year;
 - proceed to the units of study prescribed for Year III until the candidate has fulfilled the requirements of Years I and II;
 - 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.
51. Satisfactory progress
- 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. If a candidate for the degree fails to pass a minimum of 50% (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.

52. 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 5 to 31 inclusive.
- (2) A candidate granted credit toward the degree under Section 51(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 for Bachelor of Education or Combined Education students, and in the case of Social Work Students, nine years; or
 - (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;

53. 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.

54. 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.

55. 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 54.

- (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 Wednesday 31 March 2004 for Semester 1 and Tuesday 31 August for Semester 2.

Enrolment. 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. Students who are not enrolled in a unit of study may not carry over results to subsequent semesters.

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’.

Withdrawn. 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.

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 Wednesday 31 March 2004; for Semester 2 units of study the deadline is Tuesday 31 August 2004.

Discontinued – not to count as failure. This does not count as an attempt at the unit of study, but does appear on the candidate’s academic record.

After the deadline for withdrawal has passed a candidate may have enrolment recorded as ‘discontinued with permission’ where:

1. evidence is produced of serious illness or misadventure, or
2. notice is given to the Faculty of Education and Social Work Office on or before the deadline.

The deadlines for discontinuation with permission without having to produce evidence of serious illness or misadventure are:

- For Semester 1 units of study: the end of the 7th week of lectures;
- For Semester 2 units of study: on or before the 7th week of lectures.

Discontinued – fail. This counts as an unsuccessful attempt at the unit of study concerned and appears on the candidate’s academic record.

Except with Faculty permission, candidates may not repeat a unit of study which they have failed or discontinued more than once.

In order to have ‘discontinued’ recorded, notice must be given to the Faculty of Education Office on or before the last day of lectures for the unit of study.

- For Semester 1 units of study the deadline is Friday 11 June 2004;
- For Semester 2 units of study the deadline is Friday 29 October 2004.

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**Special Consideration****(1) Application**

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.

In the Faculty of Education and Social Work these further grounds for Special Consideration will also be considered

- having been granted leave of absence by the Faculty of Education and Social Work (see advice on this elsewhere)
- 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.

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.

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).

Students have the obligation to make themselves aware of Faculty and University policy on Special Consideration. University policy is available on the following web-site:

<http://db.auth.usyd.edu.au/policy/>

The Special Consideration form is available from the Faculty of Education and Social Work office, or the web-site of the Faculty of Education and Social Work.

With the Special Consideration 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

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.

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

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.

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. Where the application is directed towards a particular unit of study, the unit of study Coordinator will be responsible for the process.

- convening the meeting to consider applications for Special Consideration, normally within two weeks of the application being received by the Coordinator
- documenting accurately the process and decisions by which a judgement is made on the application
- reporting the outcome to the applicant in writing (this may occur by email)
- implementing the judgement
- the file shall be passed on to the Faculty Office for storage, being retained for at least one year following the final act of implementing the judgement
- meeting any reporting request concerning Special Consideration applications from the Dean or Associate Deans as required.

The two (or more) staff members are responsible for familiarising themselves with Faculty and Academic Board policy on Special Consideration, and in particular:

- making informed and fair judgements
- respecting the privacy of any applicant

(4) Possible outcomes

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.

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.

- Where applications do meet the 'seriousness' criterion:
 - 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
 - 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.)
 - 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.
 - 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).

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.

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.

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>

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.

Leave of Absence

In the Faculty of Education and Social Work, students may apply to their Course Coordinator for Leave of Absence.

An application form, including guidelines for its preparation, will be available from the Faculty Office or may be downloaded from the web-site of the Faculty of Education and Social Work.

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.

Where Leave of Absence is granted, the Course Coordinator will provide the student with a letter outlining the reason and period of leave.

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.

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.

Attendance

The Faculty of Education and Social Work requires attendance of at least 90 per cent of all workshops/seminars/tutorials.

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.

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.

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.

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

Submission of assignments

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).

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.

The time by which an assignment shall be handed in on any due date is 5 pm unless otherwise notified.

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.

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.

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.)

Always keep a copy of your assignment in case of accidental loss or the need for resubmission.

Late submission of assignments

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. ()

Interpretation: (1) The word 'day' means 'working day', that is not including weekends or public holidays. (2) 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.

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

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% of 50 is 5, and the final mark will be 20/50.)

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.

Extensions

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).

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.

Students must use the 'Request for extension' form available from the Faculty Office, or down-loaded from the Faculty website.

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.

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.

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.

Grounds for the granting of an extension need to be substantial. Normally they would require documented evidence of illness or misadventure.

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.

Resubmission of assignments and reassessment

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.

Where such opportunities are not outlined, they are not normally available except in the following circumstance:

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.

Any resubmission of assignment or reassessment task should conform to the following guidelines:

- allow sufficient time for further instruction and/or learning to have occurred
- test the same content/skills as the first assessment task

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.

In some cases the outcome of an application for Special Consideration may also suggest the resubmission of assignments or reassessment.

Examinations and make-up examinations

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.

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.

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).

Marking and grading

Where marks and grade constitute a summative assessment in any Unit of Study in the BEd or BSW, the following table is used:

85-100	High Distinction
75-84	Distinction
65-74	Credit
50-64	Pass
0-49	Fail

Where the meeting of criteria (satisfactory/not satisfactory) is the means of assessment in any Unit of Study the following grades are awarded:

R	Satisfied requirements
F	Fail

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.

In some cases, a second marking of the assignment may occur on the initiative of the Coordinator.

A student shall also have the right to request and receive a second marking of a written assignment where failure has occurred.

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.

The process must be documented, and documentation retained for 6 months by the Unit of Study Coordinator.

In some cases where a written assignment mark is awarded 50% or more, a student may contest the mark given. In such a case, the following shall apply:

- All students shall have the right to request and receive a second marking of an assessment task
- 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.

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.

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:

- standards setting training
- trial marking exercises
- statistical moderation
- sample double marking, etc.

Unit of Study outlines or Course Handbooks should also:

- an indicate a time frame for student feedback
- Publish the process available to students who contest an assessment outcome

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:

- written comments on assignments
- verbal or written comments on presentations
- the use of forms designed to reflect assessment criteria for an assignment

Aegrotat results

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:

- because of serious illness or misadventure the student has been unable to sit for examination, and
- it is unlikely that for the same reasons the student would be able to attempt a further test, and
- 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.

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.

■ Style guide for Education and Social Work essays

Writing assignments in Education and Social Work

This advice and style guide is intended for students and candidates in the BEd and BSW.

For the most part, assignment writing at university has special rules in common with academic writing in general.

One of the main conventions for academic writing is that the sources of ideas, data and quotations should always be attributed to their authors through citation and reference.

By doing this we fulfill our obligations to write with academic honesty. If these obligations are not met, we may be accused of plagiarism: that is, representing someone else's work as our own. This is a form of cheating.

To help students develop their academic writing, the Faculty of Education and Social Work publishes the following advice. By using it, and achieving competence in a designated writing style, students are able to develop their academic writing skills. It also enables them to join a global community of students and scholars who write using the same conventions.

Unless specifically advised to use some alternative style, or writing genre, Education and Social Work students are expected to use the APA (American Psychological Association) Guide (5th Edition).

The use of a style enables assignments to be presented which are both professional in appearance and more authoritative in argument. Incompetent use of the recommended style is likely to contribute to poor assessment grades, since academic writing is very dependent on the orderly and honest attribution of ideas, data and quotations to their sources.

Common mistakes or problems with Education and Social Work assignments

- Lack of detail in referencing. No matter what style is used, reference to a whole article or book, without specific page numbers is, except in some circumstances, very poor practice. You must give **page numbers** where there is reference to ideas or data within a source. Direct quotations must also be referenced with page numbers.
- Treating some web-sites, magazine and newspaper articles (etc.) as if they provide **authoritative information** on a topic. Web-journals, articles in journals and books which have been subject to academic refereeing are more likely to be accepted as authoritative sources for your assignments (not that even these are always right!)
- Inadequate **editing** before submission. Poor spelling, punctuation, grammatical constructions and expression all lead to a difficult reading experience for markers of your assignments and other readers. It is likely that your assessment grades will suffer where such problems exist. Edit your work carefully before submission.
- Mixing **citation/referencing methods**. Use the single recommended method consistently and well.
- Insufficient planning of your own **structured argument**. A sign of poor planning is the essay which tends to lack an identifiable authorial voice and argument. Sometimes such weak assignments do little more than roughly link quotations and paraphrases from references.
- Undue **dependence on a single source** or a few sources is generally to be avoided. This indicates a lack of comprehensiveness in the search for sources of data vital to the assignment preparation process.

Presentation of assignments

Coversheet

An assignment coversheet (available from the Faculty of Education and Social Work Office or Homepage), should be attached to all submitted work. It includes your name and student identification number, the title of the essay; the name of the tutor or lecturer, the exact title of the unit of study; the due date, as well as a declaration that the submitted work conforms to the University policy on academic honesty.

Layout and margins

Leave a left-hand margin of 4cm for your marker's comments and adequate margins at the top (3cm) and the bottom (2cm) so that your essay looks well on the page. The pages of your assignment should be numbered in Arabic style (1, 2, 3 ...). Placement is usually bottom centre or bottom right on each page.

Word processing

Education and Social Work assignments submitted for assessment must be word-processed.

- Use either 1.5 or double spacing for your assignment.
- Print on one side of the page only.

Use and acknowledgement of sources

In the research process, the writer of an assignment will have consulted a number of books, articles and perhaps other sources, including electronic, on the topic.

It is desirable, but dependent on the nature of the assignment, to use, quote or reproduce **primary source material** (such as extracts from original documents, policies, school texts, interviews, media texts, artifacts and visual reproductions for example) to back up your analysis and argument.

Secondary sources are at least as important. These are usually in the form of articles and books which analyse and theorise the topics of study. Usually they are the essential starting point for your assignment research and writing. They are the texts which identify influential interpretations of the topics you are discussing; they are often the starting point for your own reasoned argument and response to a topic.

The assignment writer is obliged to **acknowledge the source** of three kinds of material. These are direct quotations (i.e., the direct transcription of an author's text or extracts from primary sources), paraphrasing (i.e., an author's ideas or source extracts summarised and mainly expressed in your words), and facts, ideas, generalisations and opinions deriving from an author or source even if expressed in parts over several sentences or paragraphs.

Direct quotations

Only use direct quotations when

- the author or source expresses the idea or data better than you could, or
- when the authority of the author is to be stressed or contested and the exact wording used is essential for your argument.

A direct quotation is sometimes used as an introduction. It should be avoided as a conclusion. Quotations are seldom self-explanatory and usually need an introductory sentence to link them with preceding ideas and/or a following sentence to emphasise or analyze a key phrase or the idea expressed.

- Occasionally, where it sums up a main line of argument memorably, it may be used in epigraph which is quoted at the top of the essay and not incorporated into the text.
- A direct quotation should be used to support the analysis rather than to make a major point in a discussion itself.
- Care must be taken in the identification of quoted material by use of quotation marks or indentation and by accurate acknowledgement of the source (including a page reference for material directly quoted). See your recommended Style Guide on how to do this.

Format for quotations

Quotations must be exactly transcribed. Any words left out must be indicated by three dots, single spaced. For example: "His works ... are not collected". Any words added by the writer to explain the quote or to complete its grammatical sense must be placed in brackets. For example: "His [Smith's] works ... are not collected." Use double quotation marks when quoting except in the following cases.

- When a quote is within a quote, use single quotation marks for the second quoted material. For example: "Bernard Darwin writes that Ruskin's famous line, 'To make your children capable of honesty is the beginning of education', first appeared in *Time and Tide*."
- When a quotation requires more than three lines of an essay no quotation marks are used at all. Instead, the quote should be indented (1 cm) and blocked so that it stands out clearly from the rest of the essay text. A quotation of less than three complete lines should be incorporated into the paragraph. Make sure that any quotation used makes grammatical sense within its paragraph.

Reference lists

All assignments using academic writing conventions require a References list. A References list contains only the expanded references cited in your assignment.

- Inclusion of a reference in the References list at the end of an assignment implies that the source has been directly consulted as an important source. Where a work is cited through a secondary reference source, particulars of the secondary source need to be provided. See example in Style guide below.

Style guide for Education and Social Work assignments

Unless you are otherwise advised by a course or unit of study coordinator/outline, the Faculty of Education and Social Work requires the style guide of the American Psychological Association (APA) in its 5th edition to be used for academic writing.

The following guide does not cover all possible referencing needs of academic writers. Refer to copies of the 5th edition in the Library if the following advice does not meet your needs.

Citations within the text of your assignment

In the APA system, short citations in the form (author, date of publication, page reference) are included in the text of your academic writing.

These short citations are expanded and listed alpha-numerically in the References list at the conclusion of your assignment. In the References list, all the citations which occur in the text of your assignment must have full publication details printed (see B below).

Citation placement

If you refer, for example to an idea or data on pages 3 and 4 in a book by Maya Weidemann called *Numeracy and literacy*, published in 2002. The citation will appear thus:

(Weidemann, 2002, pp. 3-4)

Where possible it should come at the end of the sentence, but inside the full-stop, viz:

All children without learning difficulties at age eleven should be able to read, write and compute at a basic level (Weidemann, 2002, pp. 3-4).

Sometimes the sentence might be formulated like this:

Weidemann (2002, pp. 3-4) argues that all children at age eleven without learning difficulties should be able to read, write and compute at a basic level.

Details of this citation of Weidemann will be found in the References list at the end of your assignment.

Note the following usages: p. for a one page reference and pp. for more than one page, chap. for chapter, para. (or ¶) for paragraph, viz:

(Weiner, 1999, p. 12)

(Stephanos, 2000, pp. 6-8)

(Tran, 2004, chap. 5)

(Rowling, 1996, para. 5)

Placement for a direct quotation

At the end of a direct quotation, there will always be a citation with the exact page number/s from which the quotation comes. In this case the citation will come outside of the final full-stop in the quotation, viz:

"The public education systems of the West were usually established in the nineteenth century." (Miller, 1999, p. 12)

Referencing a whole article, book or source

Sometimes in your writing, the argument of a whole book, article or other text will be referred to. On this occasion you may cite the author and publication date without a page number, viz:

There is one book, *The Common Sense Book of Baby and Child Care* which stands as a powerful testament to changing ideas about child-rearing in the mid-twentieth century (Spock, 1946).

or:

The writing of Dr Spock (1946) on baby and child care is a powerful testament to changing ideas about child-rearing techniques in the mid-twentieth century.

Referring to whole works, without the need for page numbers, is likely to occur infrequently.

Different authors; same surname

Under these circumstances where there are citations for work by Michelle Smith and Andrew Smith:

(M. Smith, 2002, p. 12)

(A. Smith, 1998, p. 3)

Same author; different works in the same year

Add 'a', 'b', 'c' ... to as many of the same author's publications in the same year. (In the References list at the end of your assignment the year of publication details will also be labelled 'a', 'b', 'c' ...); viz:

(James, 2003a, pp. 45-47)

(James, 2003b, chap. 13)

Sources with more than one author

For two authors only:

(Adams & Hamid, 1997, p. 12)

For more than two authors, the first citation lists them all, the second uses the abbreviation 'et al.' (meaning 'and others'), viz:

(Bryan, Carey, Vuong & Jones, 1999, pp. 17-20)

Then, in the remainder of the assignment, for example:

(Bryan et al., 1999, p. 22)

More than one citation for the idea or source

In this case the references may be grouped in the same set of brackets. They will be separated by a semi-colon and appear in alphabetical order, viz:

The idea that children need equal numbers of male and female teachers as role models has been contested by several authors. (See Jameson, 1998, p. 14; Kenway, 2001, p. 122; Smith, 2003c, pp. 7-11; Willis, 2002, pp. 3-5.)

or

The evidence that children need equal numbers of male and female teachers as role models is extremely weak (Jameson, 1998, p. 14; Kenway, 2001, p. 122; Smith, 2003c, pp. 7-11; Willis, 2002, pp. 3-5).

or if referring to different works by the same authors in different years:

(Tran & Du, 2000, 2003)

(Sullivan, 1988, pp. 6-8; 1994, pp. 12-40)

Source with no date or no author

Use the abbreviation 'n.d.' for no date. Use a short title for the source in the case of no author, viz:

(Poulos, n.d., p. 13)

("Sydney wins", 1994, pp. 2-4)

Groups as authors

Perhaps you are quoting from or citing a New South Wales Board of Studies syllabus document, or other government document with no persons named as authors.

(Board of Studies NSW, 2002, p.5)

(Dept. Social Welfare and Youth Affairs, 2004, chap. 32)

Source within a source

Where your source quotes or refers to another source, for example Unsworth refers to previous work by Halliday on linguistics, the citation might read thus:

(Halliday, 1987, cited in Unsworth, 2004, p. 15)

Only Unsworth will appear in the References at the end of your assignment.

Classic text

It looks strange to cite a classic text with the year of a recent published edition (e.g. Plato, 2002). The convention in APA is either to publish the original publication date (if known) and the date of the edition being used, or where appropriate, the date of the translation:

(Elyott, 1536/1972, p. 12)

(Confucius, 1989 trans., p. 15)

Electronic/Internet/Web source

Exactly the same rules: author, date, "page" reference. Where there is no "page" reference, you cite author, date and paragraph number. Use same methods above if there are no identifiable persons as site authors, that is, use the group name, or failing that, the short title of the site/page.

(Merryweather, 2003, para. 15), or

(Merryweather, 2003, ¶15)

So, this is how you cite the paragraph about the academic results required to enrol in the BEd Primary course from the Faculty of Education and Social Work's Web site at www.edfac.usyd.edu.au/ndb/visitors/careers/car-primary.html. In this case the date, 2003 comes from the date on which the web-site was last up-dated. On well-organised sites, this is usually stated on the Home page. Where it is not, you may have to use n.d. (no date).

(Faculty of Education and Social Work, 2003, ¶3)

References list

At the end of the assignment must appear a section titled References list.

Every citation which occurs in the assignment must have the detailed reference listed there alphabetically (or more correctly, alpha-numerically) according to the name of the first author. Where works by the same author appear, the earliest reference year comes first, viz:

Connell, W. F. (1987). Research and writing in the history of education. In J. P. Keeves (Ed.), *Australian education: Review of recent research* (pp. 29-65). Sydney: Allen & Unwin.

Connell, W. F. (1993). *Reshaping Australian education*. Melbourne: ACER.

The basic structure of references is as follows. The order of details and their punctuation is very important.

Books with one, two or more authors:

In the examples below you will see that full-stops separate the three sections of the reference, viz: author-date, title in italics, then place of publication and publishing company separated by a colon.

You will also notice that APA Style is parsimonious in its use of capital letters in titles of books and articles. Only proper nouns and the first letter in a title are to receive a capital, so below, American, but not promise.

Angus, D. L., & Mirel, J. (1999). *The failed promise of the American high school, 1890-1995*. New York: Teachers College Press.

Berk, L. E. (2001). *Development through the lifespan*. Sydney: Allyn & Bacon.

Sherington, G., Petersen, R. C., & Brice, I. (1987). *Learning to lead: A history of girls' and boys' corporate secondary schools in Australia*. Sydney: Allen & Unwin.

Edited books

Burns, A. & Joyce, H. de S. (Eds.). (2000). *Teachers' voices 5: A new look at reading practice*. Sydney: National Centre for English Language Teaching and Research.

Jaeger, R. M. (Ed.). (1997). *Complementary methods for research in education*. Washington: AERA.

Chapters in edited books

In the examples below you will see that the total pages of the chapter or book section follow the italicised title of the book. Only the title of the book, not the title of the chapter is italicised.

Anderson, D. (1991). Is the privatisation of Australian schooling inevitable? In F. Castles (Ed.), *Australia compared* (pp. 73-88). Sydney: Allen & Unwin.

Ball, S., & Vincent, C. (2001). New class relations in education: The strategies of the 'fearful' middle classes. In J. Demaine (Ed.), *Sociology of education today* (pp. 180-195). Houndmills (UK): Palgrave.

Bourke, L. (2001). One big happy family? Social problems in rural communities. In S. Lockie & L. Bourke (Eds.), *Rurality bites* (pp. 89-102). Sydney: Pluto Press.

Articles in journals with one, two or more authors

In the examples below you will see that there are three basic sections separated by full-stops, viz: author-date, title of article without quotation marks, then title of the journal and volume number (in italics) followed by the issue number of the journal and the pages containing the whole article.

Where a whole volume of a journal across several issues numbers the pages consecutively, then the issue number (in brackets) is not required. Where each issue in a volume starts at page 1, the issue number is required (not italics).

For journal titles, APA capitalises as the journal itself capitalises words in its name.

Ainscow, M., Hargreaves, D. H., & Hopkins, D. (1995). Mapping the process of change in schools: The development of six new research techniques. *Evaluation and Research in Education*, 9(2), 75-90.

Watt, H. M. G. (2002). Exploring adolescent personal and social gender stereotypes about maths. *Change: Transformations in Education*, 5(2), 39-54.

Online periodical

As for other journals with the addition of your date of retrieval and the web address, viz:

Whitehead, K. (2000). Teachers, gender and the 'Report of the Junior Secondary Review'. *Journal of Educational Enquiry*, 1(1), 1-12. Retrieved July 9, 2003, from <http://www.education.unisa.edu.au/JEE/Papers/JEEPaper1.pdf>

Newspaper and magazine articles

Yaman, E. (2002, June 12). Educator quits to teach Brits a thing or two. *Sydney Morning Herald*, p. 12.

Bagnall, D. (1998, January 27). Private schools: Why they are out in front. *The Bulletin*, pp. 12-15.

Documents with groups as authors

In the first two examples you will notice that the publisher is the same group as the author. In the publication space, all that needs to be written is 'Author'. No italics for titles.

Board of Studies NSW. (1999). *Indonesian beginners: Stage 6: Syllabus amendments*. Sydney: Author.

Australian Bureau of Statistics. (2002). *Schools Australia: 2001* (ABS Publication No. 4221.0). Canberra: Author.

Interim Committee for the Australian Schools Commission. (1973). *Schools in Australia*. Canberra: AGPS.

Online document or site

The basic structure here is the usual author, date and title. But then a very clear, trackable address in the form: Retrieved Month Date, Year, from Web or other electronic address.

USA Track and Field (2003). *USATF announces major change in hydration guidelines*. Retrieved July 10, 2003, from <http://www.usatf.org/news/showRelease.asp?article=/news/releases/2003-04-19-2.xml>

OECD (2001). *Access to education, participation and progression*. Retrieved February 19, 2003 from <http://www.oecd.org/oecd/pages/home/>

Document from ERIC (Educational Resources Information Centre) or similar archive

Mead, J. V. (1992). *Looking at old photographs: Investigating the teacher tales that novice teachers bring with them* (Report No. NCRTL-RR-92-4). East Lansing, MI: National Center for Research on Teacher Learning. (ERIC Document Reproduction Service No ED346082)

Lecture notes

If these are your own notes, they may be considered an unreliable source. It is much better to search for more authoritative sources of ideas, facts or data. Nevertheless, if used:

Ewing, R. (2002, February 12). Teaching literacy in the upper primary school (Notes of lecture).

Personal communication

This includes non-archived and personal email messages, letters and conversations. Author and date as expected, but title is always "Personal communication".

Sutherland, L. (2004, October 24). Personal communication.

Email message

See Personal communication above for personal emails.

Where the message constitutes a systematic publication to a discussion or news group, or electronic mailing list.

Simons, L. D. (2000, January 27). New resources for visual cognition [Msg 32]. Message posted to <http://groups.yahoo.com/group/visualcognition/message/4>

Television Program

In the author's place is the executive producer of the program (see the credits at the end of the program).

Cheshire, B. (2002, March 12). *School reorganisation* [Television broadcast]. Sydney: Australian Broadcasting Corporation.

Video, audio recording or computer media

Gershwin, G. (1924). *Rhapsody in blue*. [Recorded by Siegfried Stockigt]. On *A taste of America* [CD]. Hamburg: Karussell.

Film

Fox, R. (Producer) & Kanievskia, M. (Director). (1984). *Another country* [Motion picture]. United Kingdom: Goldcrest Films International.

Electronic computer program, software or programming language

Bender report [Computer software]. (1993). Melbourne, Florida: Psychometric Software.

Miller, M. E. (1993). The interactive tester (Version 4.0) [Computer software]. Westminster, CA: Psytech Services.

■ University of Sydney (Coursework) Rule 2000 (as amended)

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;

credit points mean 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% 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 sub-section (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 fifty percent 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:
- participate in the learning experiences provided for the unit of study; and
 - 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:
- that the discontinuation occurred at an earlier date; and
 - 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:
- the relevant dean has granted prior permission to re-enrol; or
 - 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:
- the discontinuation occurred at an earlier date; and
 - 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:

- exclude the student from the relevant course; or
- 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:
 - completion of a unit or units of study within a specified time;
 - 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
 - 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 readmission to the award course or re-enrolment in the unit or units of study concerned after at least 4 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 Readmissions).
- (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 readmission to an award course or re-enrolment in a unit of study after a period of exclusion, and who is refused readmission or re-enrolment may also apply to the Appeals Committee.
- (b) The Appeals Committee shall comprise:
- 3 ex officio members (the Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal);
 - the Chair and Deputy Chairs of the Academic Board;
 - 2 student Fellows; and
 - up to 4 other Fellows.
- (c) The Appeals Committee may meet as one or more sub-committees providing that each sub-committee shall include at least 1 member of each of the categories of:
- ex officio member;
 - Chair or Deputy Chair of the Academic Board;
 - student Fellow; and
 - other Fellows.
- (d) Three members shall constitute a quorum for a meeting of the Appeals Committee or a sub-committee.
- (e) The Appeals Committee and its sub-committees have authority to hear and determine all such appeals and must report its decision to the Senate annually.
- (f) The Appeals Committee or a sub-committee 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 sub-committee considering the appeal. A student so appearing may be accompanied by a friend or adviser.
- (h) The Appeals Committee or sub-committee 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 sub-committee hears the student.
- (i) If, due notice having been given, a student fails to attend a meeting of the Appeals Committee or sub-committee scheduled to consider that student's appeal, the Appeals Committee or sub-committee, 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.

9 Postgraduate information

The Faculty of Education and Social Work offers a range of postgraduate research and coursework degrees, diplomas and certificates. Detailed information on these programs may be found in the postgraduate handbook available from the Faculty Office or the Faculty Web site at www.edfac.usyd.edu.au.

Master of Teaching

Students who have completed a first degree in, say, Arts, Economics or Science, and wish to undertake teacher training 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 Web site at alex.edfac.usyd.edu.au. Handbooks are also available for purchase.

For more information contact

Maria-Grace Guerreiro
Education Building
Phone: (02) 9351 7048
Fax: (02) 9351 4235
Email: pg@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 candidates 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 60,000 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.

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 may 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.

Ten designated Master's programs are offered which take a particular focus on a specialised area of study. They include:

- Information Technology in Education
- Educational Psychology
- English and Literacy
- Health Education
- Higher Education (restricted entry criteria)
- International Education
- Management and Human Resource Development
- Policy Studies
- Research Methodology
- Special Education
- Teaching English to Speakers of Other Languages/Languages
- Teaching and Curriculum Studies

Master of Policy Studies (MPS)

The course aims to equip students with conceptual skills required for practical policy analysis and policy development in educational and social and community services domains. The course will have a strong focus on policy practice for policy professionals and service workers in non-government human services organisations. The degree will be delivered on-campus, though some electives may use other methods of delivery.

Master of Social Work (MSW)

The course is designed to allow social work practitioners to reflect on and formulate their practice; read about and appraise alternative practices and theories; and assess their work problems and clients' needs in new ways. The aim is to evaluate existing practice and provision critically, with a view to promoting change and improvement in services offered and outcomes effected in the lives and situations of clients. It offers opportunities for the analysis and investigation of theories and initiatives in social policy and their impact.

Master of Social Work International (MSW International)

This program would be of particular interest to social workers who want to extend their knowledge of social work and social policy in a comparative international context. Students spend one semester full-time in a university linked to The University of Sydney where a strong university/field collaboration has been established.

Diplomas and Certificates in Educational Studies

Graduate Diplomas and Certificates are available in all the designated areas for the MEd, MSW, and the MPS. Some of these articulate with the Masters programs and credit may be granted for units completed towards award of the Masters programs.

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: (02) 9351 4605
Fax: (02) 9351 5027
Email: gradinfo@edfac.usyd.edu.au

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).

10 General University information

See also the Glossary for administrative information relating to particular terms.

Accommodation Service

The Accommodation Service assists students to find off-campus accommodation by maintaining an extensive database of suitable accommodation close to the Camperdown/Darlington campus or within easy access via public transport.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3312
Fax: (02) 9351 8262
Email: accomm@stuserv.usyd.edu.au
Web: www.usyd.edu.au/accomm

Admissions Office

The Admissions Office is responsible for overseeing the distribution of offers of undergraduate admission and can advise prospective local undergraduate students regarding 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 (02) 9351 4118 for more information. For enquiries regarding special admissions (including mature-age entry), phone (02) 9351 3615. Applicants without Australian citizenship or permanent residency should contact the International Office.

Student Centre
Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4117 or (02) 9351 4118
Fax: (02) 9351 4869
Email: admissions@records.usyd.edu.au

Applying for a course

Local applicants for undergraduate courses and programs of study

Citizens and permanent residents of Australia and citizens of New Zealand are considered local applicants for the purpose of admission and enrolment. If you are in this group and you wish to apply for admission into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC) by the last working day of September of the year before enrolment. Go to 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

Citizens and permanent residents of Australia and citizens of New Zealand are considered local applicants for the purpose of admission and enrolment. Application is direct to the faculty (not to the department, Student Centre or the Admissions Office) which offers the course in which you are interested. Application forms for postgraduate coursework, postgraduate research and the Master's qualifying or preliminary program, or for non-award postgraduate study can be found at www.usyd.edu.au/su/studentcentre/applications/applications.html.

Please note that not all faculties use these application forms for admission into their courses. Some faculties prefer to use their own specially tailored application forms rather than the standard ones. Please contact the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

All applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand are considered to be international applicants. In the vast majority of cases applicants apply for admission through the University's International Office. All of the information international applicants need, as well as downloadable application forms, is available from the Web site of the International Office, www.usyd.edu.au/io.

Assessment

For matters regarding assessment, refer to the relevant department or school.

Careers Information

Provides careers information and advice, and help in finding course-related employment both while you're studying and when you commence your career.

Careers Centre
Ground Floor, Mackie Building, K01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3481
Fax: (02) 9351 5134
Email: info@careers.usyd.edu.au
Web: www.careers.usyd.edu.au

Casual Employment Service

The Casual Employment Service helps currently enrolled students find casual and part-time work during their studies and University vacations.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 8714
Fax: (02) 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. Subject areas include IT, business, languages, history and culture, overseas study tours, creative arts and social sciences. Courses are open to everyone.

The Centre will be relocating at the end of 2003. Please refer to the Centre's Web site for up-to-date information on location/contact details, or phone the existing general enquiry number (02) 9351 2907 for redirection.

Mackie Building, K01
The University of Sydney
NSW 2006 Australia Ph: (02) 9351 2907
Fax: (02) 9351 5022
Email: info@cce.usyd.edu.au
Web: www.cce.usyd.edu.au

Centre for English Teaching

CET offers a range of English language courses including Academic English, General English, Business English and IELTS preparation. The University is now also an IELTS testing centre. The English programs help international students to reach the required English levels for entry to degrees at the University. At the end of their language training, students have the opportunity to take the CET university direct entry test (e-test).

Level 2, Building F, 88 Mallett St
University of Sydney (MO2)
NSW 2006 Australia

GENERAL UNIVERSITY INFORMATION

Phone: (02) 9351 0706
Fax: (02) 9351 0710
Email: info@cet.usyd.edu.au
Web: www.usyd.edu.au/cet

Child care

Contact the Child Care Information Officer for information about children's services for students and staff of the University who are parents.

Child Care Information Officer
Level 7, Education Building, A35
Phone: (02) 9351 5667
Fax: (02) 9351 7055
Email: childc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/childcare

The Co-op Bookshop

In addition to providing the required course textbooks, the Co-op Bookshop stocks a wide range of supplementary material, including recommended readings, course notes, study aids and reference books.

We also house an extensive range of general books including fiction, non-fiction, academic and professional titles.

A one-off membership fee of \$25 entitles discounts on most books.

Software for students and academics is available at up to 70% off the usual RRP.

The Co-op is situated in the Sydney University Sports and Aquatic Centre, just off City Road.

Phone: (02) 9351 3705 or (02) 9351 2807
Fax: (02) 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 which is free and confidential. Counselling presents an opportunity to: gain greater self awareness; learn to cope more efficiently with the problem at hand; discuss any work related, social or personal issues that cause concern; explore options with professionally trained staff. In addition, workshops are offered each semester on topics such as stress management, relaxation, exam anxiety, communication skills and others.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2228
Fax: (02) 9351 7055
Email: counsell@mail.usyd.edu.au
Web: www.usyd.edu.au/counsel

Disability Services

Disability Services is the principal point of contact and 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 all areas of their study. Assistance available includes the provision of note taking, interpreters, and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 7040
Fax: (02) 9351 3320TTY: (02) 9351 3412
Email: disserv@stuserv.usyd.edu.au
Web: www.usyd.edu.au/disability

Enrolment and pre-enrolment

Students entering first year

Details of the enrolment procedures will be sent with the UAC Offer of Enrolment. Enrolment takes place at a specific time and date, depending on your surname and the Faculty in which you are enrolling, but is usually within the last week of January. You must attend the University in person or else nominate, in writing, somebody to act on your behalf. On the enrolment day, you pay

the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies and nominate your preferred 'up front' or deferred payment for your Higher Contribution Scheme (HECS) liability. You also choose your first-year units of study, so it's important to consult the 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.

Examinations

The Examinations and Exclusions Office looks after the majority of exam papers, timetables and exclusions. 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, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4005 or (02) 9351 4006
Fax: (02) 9351 7330
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 Fees 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: (02) 9351 5222
Fax: (02) 9351 4202

Financial Assistance Office

The University has a number of loan funds and bursaries to assist students who experience financial difficulties. Assistance is not intended to provide the principal means of support, but to help in emergencies and to supplement other income.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2416
Fax: (02) 9351 7055
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;
- 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 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
Carlaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3199, (02) 9351 4009, Protocol (02) 9351 4612
Fax: (02) 9351 5072

(Grievances) appeals

Many decisions about academic and non-academic matters are made each year and you may consider that a particular decision affecting your candidature for a degree or other activities at the University may not have taken into account all the relevant matters.

In some cases the by-laws or resolutions of the Senate (see University Calendar) specifically 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 Web site at www.usyd.edu.au/su/planning/policy/.

If you wish to seek assistance or advice regarding an appeal, contact:

Students' Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: (02) 9660 5222

HECS and PELS

Student Centre
Ground Floor, Carlaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 5659, (02) 9351 5062, (02) 9351 2086
Fax: (02) 9351 5081

Information Technology Services (ITS)

Information Technology Services oversees the University's computing infrastructure. Students can contact ITS either through the ITS Helpdesk (www.helpdesk.usyd.edu.au) on (02) 9351 6000, located in the University Computer Centre (Building H08), or through the University Access Labs (www.usyd.edu.au/su/is/labs/). The access labs on main campus are located in:

- Fisher Library (Level 2)
- Carlaw (Room 201)
- Education (Room 232)
- The Link Building (Room 222)
- Pharmacy (Room 510)

Other labs are available at the Law, Orange, Westmead and Cumberland campuses.

The labs allow students free access to computers, including office and desktop publishing software and storage, at-cost Internet access, printing facilities and the opportunity to host their own Web site.

Each student is supplied with an account, called a 'Unikey' or 'extro' account, which allows access to a number of services including:

- Free Email: (www-mail.usyd.edu.au);
- Access to the Internet both from home and from the access labs (www.helpdesk.usyd.edu.au/services.html);
- Online course material (www.groucho.ucc.usyd.edu.au:9000/webct/public/home.pl);
- Student facilities via the intranet (www.intranet.usyd.edu.au), including exam results and seating, student timetables and bulletin boards; and
- Free courses in Microsoft Word and Excel, Photoshop, Internet use and html.

International Student Centre

The International Student Centre consists of the International Office (IO), the International Student Services unit (ISSU) and the Study Abroad and Exchange Office. The International Office

provides assistance with application, admission and enrolment procedures and administers scholarships for international students. The ISSU provides a wide range of international student support services including orientation and assistance with finding accommodation for new arrivals and psychological counselling and welfare advice for international students and their families. 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: (02) 9351 4079
Fax: (02) 9351 4013
Email: info@io.usyd.edu.au
Web: www.usyd.edu.au/io

International Student Services unit

Phone: (02) 9351 4749
Fax: (02) 9351 6818
Email: info@issu.usyd.edu.au
Web: www.usyd.edu.au/issu

Study Abroad and Exchange unit

Study Abroad

Phone: (02) 9351 3699
Fax: (02) 9351 2795
Email: studyabroad@io.usyd.edu.au
Web: www.usyd.edu.au/io/studyabroad

Exchange

Phone: (02) 9351 3699
Fax: (02) 9351 2795
Email: exchange@io.usyd.edu.au
Web: www.usyd.edu.au/io/exchange

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 Centre provides tutorial assistance, access to computers, an Indigenous Research library, study rooms, an orientation program at the beginning of the year and assistance in study and learning skills. In particular the Koori Centre aims to increase the successful participation of Aboriginal and Torres Strait Islander people 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.

Close collaboration is also maintained with Yooroang Garang, School of Indigenous Health Studies in the Faculty of Health Sciences on the University's Cumberland campus. Yooroang Garang provides advice, assistance and academic support for Indigenous Health Sciences students, as well as preparatory undergraduate and postgraduate courses in Aboriginal Health and Community.

Koori Centre

Ground Floor, Old Teachers College, A22
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2046 (General Enquiries)
Toll Free: 1800 622 742
Community Liaison Officer (02) 9351 7003
Fax: (02) 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: (02) 9351 9393
Toll Free: 1800 000 418
Fax: (02) 9351 9400
Email: yginfo@fhs.usyd.edu.au
Web: www.yg.fhs.usyd.edu.au

Language Centre

The Language Centre provides multimedia teaching rooms for Faculty of Arts courses. Technical support for teaching staff is available on site. Student self-access facilities for curriculum materials, access to multilingual satellite television broadcasts and a broadcast copying service are also provided by the centre. The centre maintains a resource collection of multimedia language materials in 140+ languages and has three language laboratories, four audiovisual classrooms, two access computer labs and one student audiovisual study room.

Level 2, Christopher Brennan Building, A18
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2371
Fax: (02) 9351 3626
Email: language.enquiries@language.usyd.edu.au
Web: www.arts.usyd.edu.au/Arts/departs/langcent

Learning Centre

The Learning Centre helps students to develop the generic learning and communication skills which 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.

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3853
Fax: (02) 9351 4865
Email: lc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/lc

Library

Students are welcome to use any of the 19 libraries in the University. The student card is also the library borrower's card. Further details of the libraries, including services provided, locations and opening hours are available on the Library's Web page, www.library.usyd.edu.au, as well as in the printed Library Guide, available at any library. Consult the Library staff for assistance.

The libraries listed below are located on the Camperdown/Darlington campus unless otherwise specified.

Architecture Library

Wilkinson Building, G04
Phone: (02) 9351 2775
Fax: (02) 9351 4782
Email: architecture@library.usyd.edu.au

Badham Library

Badham Building, A16
Phone: (02) 9351 2728
Fax: (02) 9351 3852
Email: badham@library.usyd.edu.au

Biochemistry Library

Expected to close in December 2003 and collection transferred to other libraries in the University.

Burkitt-Ford Library

Sir Edward Ford Building, A27
Phone: (02) 9351 4364
Fax: (02) 9351 7125
Email: burkittford@library.usyd.edu.au

Camden Library

University Farms, Werombi Rd, Camden, C15
Phone: (02) 9351 1627
Fax: (02) 4655 6719
Email: camden@library.usyd.edu.au

Dentistry Library

United Dental Hospital, 2 Chalmers St, Surry Hills, C12
Phone: (02) 9351 8331
Fax: 9212 5149
Email: dentistry@library.usyd.edu.au

Engineering Library

PN Russell Building, J02
Phone: (02) 9351 2138
Fax: (02) 9351 7466
Email: engineering@library.usyd.edu.au

Fisher Library

Eastern Ave, F03
Phone: (02) 9351 2993
Fax: (02) 9351 4328
Email: fishinf@library.usyd.edu.au

Health Sciences Library

East St, Lidcombe, C42
Phone: (02) 9351 9423
Fax: (02) 9351 9421
Email: library@fhs.usyd.edu.au

Law Library

Law School, 173–175 Phillip St, Sydney, C13
Phone: (02) 9351 0216
Fax: (02) 9351 0301
Email: library@law.usyd.edu.au

Madsen Library

Madsen Building, F09
Phone: (02) 9351 6456
Fax: (02) 9351 6459
Email: madsen@library.usyd.edu.au

Mathematics Library

Carslaw Building, F07
Phone: (02) 9351 2974
Fax: (02) 9351 5766
Email: mathematics@library.usyd.edu.au

Medical Library

Bosch Building, D05
Phone: (02) 9351 2413
Fax: (02) 9351 2427
Email: medical@library.usyd.edu.au

Music Library

Seymour Centre, J09
Phone: (02) 9351 3534
Fax: (02) 9351 7343
Email: music@library.usyd.edu.au

Nursing Library

88 Mallett St, Camperdown, M02
Phone: (02) 9351 0541
Fax: (02) 9351 0634
Email: nursing@library.usyd.edu.au

Orange Library

Leeds Parade, Orange
Phone: (02) 6360 5593
Fax: (02) 6360 5637
Email: lib@orange.usyd.edu.au

Physics Library

New Wing, Physics Building, A29
Phone: (02) 9351 2550
Fax: (02) 9351 7767
Email: physics@library.usyd.edu.au

Schaeffer Fine Arts Library

Mills Building, A26
Phone: (02) 9351 2148
Fax: (02) 9351 7624
Email: john.spencer@arthist.usyd.edu.au

Sydney College of the Arts Library

Balmain Rd, Rozelle, N01
Phone: (02) 9351 1036
Fax: (02) 9351 1043
Email: scalib@sca.usyd.edu.au

Sydney Conservatorium of Music Library

Macquarie St (opposite Bridge St), Sydney, C41
Phone: (02) 9351 1316
Fax: (02) 9351 1372
Email: library@conmusic.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre assists students to develop the mathematical knowledge, skills and confidence that are needed for studying their 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 on-going support during the year through individual assistance and small group tutorials to eligible students.

Level 4, Carlaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 4061
Fax: (02) 9351 5797
Email: mlc@stuserv.usyd.edu.au
Web: www.usyd.edu.au/mlc

Part-time, full-time

Undergraduate students

Undergraduate students are normally considered as full-time if they have a HECS weighting 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)

Whether a postgraduate coursework student is part-time or full-time is determined solely by credit-point load for all coursework programs. A student is classed as enrolled full-time in a semester if he/she is enrolled in units of study which total at least 18 credit points. Anything under this amount is considered a part-time study load. Please note that classes for some coursework programs are held in the evenings (generally 6–9 pm).

Postgraduate students (research)

Full-time candidates for research degrees do not keep to the normal semester schedule, instead they work continuously throughout the year except for a period of four weeks' recreation leave. There is no strict definition of what constitutes full-time candidature but, generally speaking, 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 as may be required) you should enrol as a part-time candidate. If in doubt you should consult your faculty or supervisor.

International students

International students who are resident in Australia are normally required under the terms of their entry visa to undertake full-time candidature only.

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 the 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 new 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: (02) 9351 4263; or Anne Picot: (02) 9351 7262
Email: foi@mail.usyd.edu.au

Scholarships for undergraduates

Scholarships unit, Room 147
Ground Floor, Mackie Building, KO1
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 2717

Fax: (02) 9351 5134
Email: scholarships@careers.usyd.edu.au
Web: www.usyd.edu.au/scholarships

Student Centre

Ground Floor, Carlaw Building, F07
The University of Sydney
NSW 2006 Australia
Phone: (02) 9351 3023 General Enquiries
(02) 9351 4109 Academic Records
(02) 9351 3023 Discontinuation of Enrolment
(02) 9351 5057 Handbooks
(02) 9351 5060 Prizes
Fax: (02) 9351 5081, (02) 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 for a range of purposes within the University. 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 incorporating head and shoulders only for lamination 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 not be accepted. New identity cards are required for each year of a student enrolment.

The Student Intranet

The University is continually increasing the amount of information and services for students it provides through the Web. The new Student Intranet (intranet.usyd.edu.au/student/) gathers information and services together in one place and organises them by the use of tabs.

Categories such as 'MyStudy' provide links to courses and units of study information, student administration matters (eg, exam results, Web Enrolment Variations, etc.) and links to online learning courses – and of course the study-related services available to all students provided by the Library. Communication services – such as access to free student Email, the online phone directory and face-to-face services provided by the Student Centre, International Office and ITS Help Desk – is another category.

The Services category provides access to student services such as Child Care, Counselling, I.T. Help and guidance in the use of the online Student Administration services. While Student Life focuses on campus life – accommodation, employment, sporting facilities, political life and where to eat and drink.

News and Events and Campuses provide links to what is happening right across the large and diverse learning community that is The University of Sydney.

MyUni is the personalised section of the intranet. All staff and students are provided with access to MyUni through a login name and password. MyUni enables them to receive delivery of personal information such as exam results, enrolment variations and seat numbers. MyUni is a portal from which students and staff can complete tasks that were previously only able to be done in person, offline.

Student Services

Student Services exists to help you achieve your educational goals by providing personal, welfare, and academic support services to facilitate your success at University. Many factors can impact on your well being while studying at University and Student Services can assist you in managing and handling these more effectively. Refer to Accommodation Service, Casual Employment Service, Child Care, Counselling Service, Disability Services, Financial Assistance Office, Learning Centre and Mathematics Learning Centre. The Web site is at www.usyd.edu.au/stuserv.

The Sydney Summer School

Most faculties at the University offer units of study from undergraduate degree programs during January/February. There are also some units of study available from postgraduate coursework programs from some faculties. As the University uses its entire HECS quota 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 requisite subjects before they commence their degrees. Units start on 5 January and run for up to six weeks (followed by an examination week). Notice of the units available is contained in the various faculty handbooks, on the summer school Web site (www.summer.usyd.edu.au) and is usually circulated to students with their results notices. A small Winter School is also run from the Summer School office. This has mainly postgraduate offerings with a few undergraduate units of study. Information can be found on the summer school Web site.

Timetabling unit

The timetabling unit in the Student Centre is responsible for producing students' class and tutorial timetables. Students can obtain their Semester 1 timetables from the Wednesday of Orientation Week via the Web.

The Sydney Conservatorium of Music operates in accordance with a local calendar of dates and produces a complete timetable for all teaching that it delivers. The timetable is available on enrolment at the Conservatorium.

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: (02) 9351 3484

Fax: (02) 9351 4110

University Health Service (Holme)

Science Rd Entry, Holme Building, A09

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4095

Fax: (02) 9351 4338

■ Student organisations

Students' Representative Council

The Students' Representative Council 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: (02) 9660 5222 Editors, Honi Soit/Legal Aid

(02) 9660 4756 Second-hand Bookshop

(02) 9351 0691 Mallett St

(02) 9351 1291 Pitt St – Conservatorium

Fax: (02) 9660 4260

Email: postmaster@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: (02) 9351 3715

Freecall: 1800 249 950

Fax: (02) 9351 6400

Email: supra@mail.usyd.edu.au

Web: www.usyd.edu.au/supra/

Sydney University Sport

Sydney University Sport provides services, facilities and clubs for sport, recreation and fitness.

Noel Martin Sports and Aquatic Centre, G09

The University of Sydney

NSW 2006 Australia

Phone: (02) 9351 4960

Fax: (02) 9351 4962

Email: admin@susport.usyd.edu.au

University of Sydney Union

University of Sydney Union

Foyer, Holme Building, A09

Science Rd, The University of Sydney

NSW 2006 Australia

Phone: 1800 013 201 (Switchboard)

Fax: (02) 9563 6216

Email: info@usu.usyd.edu.au

Web: www.usydunion.com

Acronyms and Glossary

■ Acronyms

Listed below are the more commonly used acronyms that appear in University documents and publications.

A	
AARNet	Australian Academic Research Network
AAT	Administrative Appeals Tribunal
AAUT	Australian Awards for University Teaching
ABC	Activity Based Costing
ABS	Australian Bureau of Statistics
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Co-operation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARCA	Australian Research Council Act
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATO	Australian Taxation Office
ATP	Australian Technology Park
ATPL	Australian Technology Park Limited
AUQA	Australian Universities Quality Agency
AusAID	Australian Agency for International Development
AUTC	Australian Universities Teaching Committee
AVCC	Australian Vice-Chancellors Committee
B	
BAA	Backing Australia's Ability
BAC	Budget Advisory Committee
BITLab	Business Intelligence Lab
BLO	Business Liaison Office
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme
C	
CAF	Cost Adjustment Factor
CAUT	Committee for Advancement of University Teaching
CDP	Capital Development Program
CDP-IT	Capital Development Program - Information Technology
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHS	College of Health Sciences
CIO	Chief Information Officer
CPI	Consumer Price Index
CPSU	Community and Public Sector Union
CRC	Cooperative Research Centre
CREO	Centre for Regional Education, Orange
CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
CRRRI	Centre for Rural and Regional Innovation
CSIRO	Commonwealth Scientific and Industrial Research Organisation

CST	College of Sciences and Technology
CUSTD	Committee for University Teaching and Staff Development
D	
DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
D-IRD	Discovery-Indigenous Researchers Development Program
DISR	Department of Industry, Science and Resources
DoFA	Department of Finance and Administration
DVC	Deputy Vice-Chancellor
E	
EB	Enterprise Bargaining
EFTSU	Equivalent Full Time Student Unit
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act
F	
FlexSIS	Flexible Student Information System
FMO	Facilities Management Office
FOS	Field of Study
FTE	Full Time Equivalent (Staff)
G	
GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate Destination Survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GST	Goods and Services Tax
GWSLN	Greater Western Sydney Learning Network
H	
HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program
HEFA	Higher Education Funding Act 1988
HEIP	Higher Education Innovation Programme (DEST)
HEO	Higher Education Officer
HERDC	Higher Education Research Data Collection
I	
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual Property
IPRS	International Postgraduate Research Scholarships
IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
IT	Information Technology
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services
J	
JASON	Joint Academic Scholarships On-line Network
L	
LBOTE	Language Background Other Than English
M	
MBA	Master of Business Administration
MISG	Management Information Steering Group
MNRF	Major National Research Facilities Scheme
MOU	Memorandum of Understanding
MPG	Major Projects Group

MRB	Medical Rural Bonded Scholarship Scheme
N	
NBCOTP	National Bridging Courses for Overseas Trained Program
NCG	National Competitive Grant
NESB	Non-English-Speaking Background
NHMRC	National Health and Medical Research Council
NOIE	National Office for the Information Economy
NOOSR	National Office for Overseas Skill Recognition
NRSL	Non-Recent School Leaver
NSW VCC	New South Wales Vice-Chancellors' Conference
NTEU	National Tertiary Education Industry Union
O	
OECD	Organisation for Economic Co-operation and Development
OLA	Open Learning Australia
OLDPS	Open Learning Deferred Payment Scheme
OPRS	Overseas Postgraduate Research Scholarships
P	
PAYE	Pay As You Earn
PAYG	Pay As You Go
PELS	Postgraduate Education Loans Scheme
PSO	Planning Support Office
PVC	Pro-Vice-Chancellor
Q	
QA	Quality Assurance
QACG	Quality Advisory and Coordination Group
R	
R&D	Research and Development
R&R	Restructuring and Rationalisation Program
RC	Responsibility Centre
REG	Research and Earmarked Grants
REP	Research Education Program
RFM	Relative Funding Model
RIBG	Research Infrastructure Block Grant (DEST)
RIEF	Research Infrastructure Equipment and Facilities Scheme
RISF	Restructuring Initiatives Support Fund
RMO	Risk Management Office
ROA	Record of Achievement
RQ	Research Quantum
RQU	Recognition Quality Unit (Higher Education Division – DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent School Leaver
RTS	Research Training Scheme (DEST)
S	
SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SDVC	Senior Deputy Vice-Chancellor
SEG	Senior Executive Group
SES	Socioeconomic Status
SI	Scholarship Index
SNA	Safety Net Adjustment
SPIRT	Strategic Partnerships with Industry – Research and Training Scheme
SRC	Students' Representative Council
SSR	Student/Staff Ratio
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney University Sport
SUSU	Sydney University Sports Union (now SUS)
SUWSA	Sydney University Women's Sports Association (now SUS)
T	
TAFE	Technical and Further Education
TFN	Tax File Number
TMUI	Treasury Measure of Underlying Inflation

TPI	Teaching Performance Indicator
U	
UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organization
UPA	University Postgraduate Awards
V	
VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training
W	
WIT	Western Institute of TAFE
WRP	Workplace Reform Program
WTO	World Trade Organization

■ Glossary

This glossary describes terminology in use at the University of Sydney.

AAM (Annual Average Mark)

This mark is calculated using the unit of study credit point value for each Semester and for the year. This mark may also be calculated cumulatively for every currently enrolled student, based on all unit of study completions to the end of the last completed semester, as a cumulative measure of progression.

The formula for this calculation is:

$$AAM = \frac{\sum(\text{marks} \times \text{creditPointValue})}{\sum(\text{creditPointValue})}$$

The 'marks' used in this formula are the actual marks obtained by the student in each unit of study, as recorded on the student's record, including any marks of less than 50, and in the case of a failing grade with no mark, the mark defaults to 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.)

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 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 1 through to the completion of the processing of results at the end of Semester 2. (See also Stage.)

Academic dishonesty

A student is suspected of presenting 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.

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. A student's academic record 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

For the purposes of FlexSIS, an academic year indicates the current calendar year in which the student is currently enrolled.

An academic year indicates a calendar year. (See also *Academic cycle*, *Stage*.)

Addresses

All enrolled students need to have a current postal address recorded on FlexSIS to which all official University correspondence is sent. (See also Business address, Permanent home address, Semester address, Temporary address.)

Admission

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis

The main criterion used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies, work experience, special admission and the Universities Admission Index (UAI).

Admission (deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode

A classification based on how a student was admitted to a course, for example 'UAC' or 'direct'.

Admission period

The period during which applications for admission to courses are considered. The main admission period takes place before Semester 1, but there may also be an admission period for mid-year applicants before the beginning of Semester 2, and other admission periods.

Admission reply

A code used by FlexSIS to indicate whether an applicant who has received an offer has accepted the offer or not.

Admission result

A code used by FlexSIS to indicate the result of a direct application to study at the University (eg, offer, unsuccessful, withdrawn).

Admission year

The year the student began the course.

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.)

AGSM (Australian Graduate School of Management)

From 1999 The University of Sydney entered into a joint venture with the University of New South Wales leading to the formation of a new Australian Graduate School of Management (AGSM). The new joint venture AGSM is derived from the Graduate

School of Business at The University of Sydney and the existing AGSM at the University of New South Wales.

Students enrolled at the new joint venture AGSM are students of both The University of Sydney and the University of New South Wales. The agreement for reporting enrolments, load and staff at the joint venture requires that The University of Sydney report all student enrolments and staff numbers, but that only one third of both the Student load (EFTSU) and full-time equivalent staff (FTE) be attributed to The University of Sydney.

Annual Progress Report

A form issued by Faculties 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 nominee). The completed form is attached to the student's official file.

FlexSIS records that the form has been sent out and that it has been satisfactorily completed.

APA

Australian Postgraduate Awards. (See also Scholarships, UPA.)

Appeals

Students may lodge appeals against academic or disciplinary decisions. FlexSIS will record an academic appeal (eg, against exclusion) while it is under consideration and will record the outcome of the appeal. Disciplinary (that is, non-academic) appeals are not recorded on FlexSIS.

ARTS

Automated Results Transfer System. This system was developed on behalf of ACTAC (Australasian Conference of Tertiary Admissions Centres) to allow the electronic academic record of a student to be accessible, via an admission centre, between tertiary institutions.

Assessment

The process of measuring the performance of students in units of study and courses. The assessment of performance in a unit of study may include examinations, essays, laboratory projects, or assignments. (See also *Result processing*, *Result processing schedule*.)

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

Attendance is classified as full-time, part-time or external. The type of attendance in which a student is classified depends on the student's mode of attendance and the student load.

The mode of attendance is a classification of whether a student is internal, external or multi-modal in accordance with the definition provided by DEST.

Internal mode of attendance

When all units of study for which the student is enrolled are undertaken through attendance at the University on a regular basis. It also refers to the case when the student is undertaking a higher degree course for which regular attendance is not required, but attends the University on an agreed schedule for purposes of supervision and/or instruction.

External mode of attendance

When all units of study for which the student is enrolled involve special arrangements whereby lesson materials, assignments, etc, are delivered to the student, and any associated attendance at the University is of an incidental, irregular, special or voluntary nature.

Multi-modal mode of attendance

When at least one unit of study is undertaken on an internal mode of attendance and at least one unit of study is undertaken on an external mode of attendance.

Students with an external mode of attendance are classified as being external for the type of attendance.

Students with either an internal or multi-modal mode of attendance are classified as being full-time or part-time

depending on the load associated with the courses in which they are enrolled. According to the definition provided by DEST, a student whose enrolment in all courses generates 0.373 EFTSU or higher for a semester is classified as full-time, otherwise the student is classified as part-time.

Attendance mode

A DEST classification defining the manner in which a student is undertaking a course – ie, internal, external, mixed or offshore.

Attendance pattern/type

Refers to whether the student is studying part-time or full-time. For coursework students this is a function of course load – ie, the proportion being undertaken by the student of the normal full-time load specified for the course in which the student is enrolled. To be considered full-time, a coursework student must undertake at least 0.75 of the normal full-time load over the academic cycle or at least 0.375 if only enrolling in half of an academic year. It is important to note however that, for some purposes, to be considered full-time a student may need to be enrolled in at least 0.375 in each half year. Research students, with the approval of their faculty, nominate whether they wish to study part-time or full-time. The attendance status is then recorded on FlexSIS as part of the application or enrolment process. (See also Coursework, Student load.)

Attendance status

Full or part time.

AusAID

Australian Agency for International Development.

AUSTUDY

Replaced by Youth Allowance. (See *Youth Allowance*.)

Award course

A formally approved program of study that can lead to an academic award granted by the University. An award course requires the completion of a program of study specified by course rules. (See also Course Rules.) Award courses are approved by Senate, on the recommendation of the Academic Board. Students normally apply to transfer between award courses through the UAC. The award course name will appear on testamurs. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. The award courses offered by the University are:

- Higher doctorates
- Doctor of philosophy (PhD)
- Doctorates by research and advanced coursework
- Master's degree by research
- Master's degree by coursework
- Graduate diploma
- Graduate certificate
- Bachelor's degree
- Advanced diplomas
- Diplomas
- Certificates

(See also *Bachelor's degree*, *Course rules*, *Diploma*, *Doctorate*, *Major*, *Master's degree*, *Minor*, *PhD*, *Stream*.)

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. Bachelor degree refers to Bachelor (Graduate Entry), Bachelor (Honours) end on, and Bachelor which comprises Bachelor (Pass) and Bachelor (Honours) concurrent. (See also Award course.)

Barrier

An instruction placed on a student's FlexSIS 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

See *Scholarships*.

Business address

FlexSIS can record a student's business address and contact details. (See also *Addresses*, *Permanent home address*, *Semester address*, *Temporary address*.)

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 Islanders in degree courses in all faculties at The University of Sydney.

Applicants seeking admission under the Program are assessed under a broad set of criteria embracing relevant educational background, work and life experience and motivation. An essential aspect of the Program is the provision of academic support.

All applicants are assessed prior to enrolment and on the basis of those assessments may be recommended for alternative study options, including enrolment in a reduced course load in the first year of their degree and concurrent enrolment in an Academic Skills course run by the Koori Centre.

An intensive Orientation Program is conducted immediately prior to the commencement of the academic year and students may request additional tutoring in particular subject areas.

CAF (Cost Adjustment Factor)

The amount by which the Commonwealth increases payments to institutions each year towards increases in salary and non-salary costs.

Campus

The grounds on which the University is situated. There are eleven 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) and Surry Hills (Dentistry).

Cancellation

For non-payment of fees.

Census date

See *HECS census date*.

Centre for Continuing Education

The Centre for Continuing Education develops and conducts courses, conferences and study tours for the general public and professional groups. The Centre offers some 1,000 courses for approximately 20,000 students each year. Most of these courses are held over one of the four main sessions that are conducted each year, though the Centre is offering an increasing number of ad-hoc courses in response to increased competition and changing demands. The Centre operates on a cost recovery/income generation basis. (See also Continuing professional education.)

Centrelink

Centrelink is the agency responsible for providing information and assistance on a range of Commonwealth Government programs including Youth Allowance. (See also *Youth Allowance*.)

Ceremony

See *Graduation ceremony*.

Chancellor

The non-executive head of the University. An honorary position, the Chancellor chairs meetings of the University's governing body, the Senate, and presides over graduation ceremonies amongst other duties.

Class list

A listing of all currently enrolled students in a particular unit of study. (See also *unit of study*.)

College of Health Sciences

Consists of the Faculties of Dentistry; Health Sciences; Medicine; Nursing; and Pharmacy.

College of Humanities and Social Sciences

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

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

See *Combined course*.

Commencing and continuing enrolments

Enrolments are classified as commencing or continuing in accordance with the definition provided by DEST. In general, an enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time between 1 September of the year prior to the current year and 31 August of the current year. There are a number of exceptions to this general rule, of which the most important are:

- (a) an enrolment in the LLB is not classified as commencing if the student was previously enrolled in a combined law degree; and,
- (b) an enrolment in an Honours degree (Bachelor or Master) is not classified as commencing if the student was previously enrolled in the corresponding Pass degree.

Commencing student

A student enrolling for the first time in an award course at The University of Sydney. The DEST glossary provides a more detailed definition.

Comp subs

See *Compulsory subscriptions*.

Compulsory subscription rates

There are two rates for some annual subscriptions: full-time and part-time. (See also *Compulsory subscriptions*.)

Compulsory subscription waiver provision

Certain students over a certain age or with disabilities or medical conditions may be exempted from the subscription to the sports body.

Students with a conscientious objection 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*.)

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. These organisations are different on different campuses. There are different organisations for undergraduate and postgraduate students.

At the Camperdown/Darlington Campus, compulsory subscriptions depend on the level of study.

Undergraduate

The University of Sydney Union, Students' Representative Council (SRC) and Sydney University Sport.

Postgraduate

The University of Sydney Union and the Sydney University Postgraduate Representative Association (SUPRA).

Student organisations at other campuses 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 rates, Compulsory subscription waiver provision, Joining fee, Life membership.)

Confirmation of Enrolment form

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.

For postgraduate research students the form also lists candidature details and supervisor information.

Where students have an appointed advisor, the advisor information is also shown.

Conjoint ventures

Two or more institutions co-operate 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 UNSW and 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 requires/promotes the maintenance of a long term relationship between the student and the University. It is envisaged that the importance of this mode of education will increase in the future. (See also Centre for Continuing Education.)

Convocation

The body comprising all graduates of the University.

Core unit of study

A unit of study that is compulsory for the 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 of Sydney and a French university for joint supervision and examination of a PhD student as part of an ongoing co-operative 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 award course or non-award course undertaken at The University of Sydney. (See also *Award course*, *Non-award course*.)

Course alias

Each course in FlexSIS is identified by a unique five-digit alphanumeric code.

Course code

See *Course alias*.

Course enrolment status

A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. A course enrolment status of 'not enrolled' is linked to a not enrolled reason.

Course leave

Students (undergraduate and postgraduate) 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 and recorded on FlexSIS (leave for periods of less than one semester are recorded internally by the faculty). 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 reapply formally for admission. The term 'suspension of candidature' was previously used to describe research students on course leave.

Course (Research)

A classification of courses in which students undertake supervised research leading to the production of a thesis or other piece of written or creative work over a prescribed period of time. The research component of a research course must comprise 66% or more of the overall course requirements.

Course rules

Rules which govern the allowable enrolment of a student in a course; – eg, 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; – eg, a candidate must have completed a minimum of 144 credit points. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated. (See also *Award course*.)

Course suspension

See *Course leave*.

Course transfer

A transfer which occurs where a student changes from one course in the University to another course in the University without the requirement for an application and selection (eg, from a PhD to a master's program in the same faculty).

Course type

A DEST code.

Coursework

A classification used to describe those courses that consist of units of study rather than research work. All undergraduate courses are coursework programs. Postgraduate courses can be either research courses or coursework courses. (See also *Course (research)*.)

Credit

The recognition of previous studies successfully completed at this or another university or tertiary institution (recognised by The University of Sydney) as contributing to the requirements for the award of the course in which the applicant requesting such recognition has been admitted.

Where the University agrees to recognise successfully completed previous studies, their contribution to the requirements for the award of the course in which the applicant has been admitted will be expressed as specific or non-specific credit.

Credit awarded to a credit applicant – whether specific or non-specific – will be recorded with a mark and grade of 50 pass, unless in individual cases the credit is assessed by the faculty as having a mark and grade greater than 50 pass. This equivalent mark and grade will be used for the purposes of calculating a student's weighted average mark and for the purposes of satisfying prerequisite rules where a level of passing grade is specified. (See also *Precedents*, *Specific credit*, *Non-specific credit*, *Waiver*, *Weighted average mark (WAM)*.)

Credit points

A measure of value indicating the contribution each unit of study provides towards meeting course completion requirements stated as a total credit point value. Each unit of study will have a credit point value assigned to it, normally in the range 3 to 24. Resolutions of Senate set the number and level of credit points required for graduation.

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 – ie, the university which will award their degree). (See also *Non-award course*, *Enrolment non-award*.)

DAC (Data Audit Committee)

A sub-committee of the VCAC Enrolment Working Party, chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and the Planning Support Office. Its role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It has a role in advising the Academic Board on suggested policy changes with relation to course and unit of study data.

Deadlines (enrolment variations)

See *Enrolment variation*.

Deadlines (fees)

The University has deadlines for the payment of fees (eg, 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*.)

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

See *Admission (deferment)*, *Leave*.

Degree

(See also *Award course*, *Bachelor's degree*.)

Delivery mode

Indicates the mode of delivery of the instruction for a unit of study – eg, normal (ie, by attending classes at a campus of the University), distance (ie, remotely by correspondence or other distance means – eg, Web delivery). The delivery mode must be

recorded for each unit as distinct from the attendance mode of the student – ie, an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Department or school

The Senate Resolutions define a department or school as consisting of such of the members of the teaching staff and the research staff of the University and such other persons or classes of persons as are appointed to it or assigned to it by the Senate or the Vice-Chancellor on the recommendation of the faculty or college board concerned.

For the purposes of FlexSIS, a department is the academic unit which is responsible for teaching and examining a unit of study. It may be called a school, a department, a centre or a unit within the University.

Increasingly, as departments merge into larger schools, the term department is also used to describe the constituent parts of a school. Alternatively, the term Discipline is used. DEST uses the term Academic Organisational unit (AOU) and for reporting purposes each AOU is assigned a Field of Education classification.

DEST

The Department of Education, Science and Training (DEST) is the Commonwealth Government department responsible for higher education. The University is required to provide DEST with information about its students several times a year and, annually, information about staff, finance, research and space allocation. Among other things, the Government uses this information in its funding deliberations.

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. Graduate diploma courses are only available to students who already hold an undergraduate degree. (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, registered on FlexSIS and considered by the relevant department or faculty body. Decisions are recorded on FlexSIS and FlexSIS produces letters to applicants advising them of the outcome. (See also *Admission*, *UAC admissions*.)

Disability information

Students may inform the University of any temporary or permanent disability, other than a financial disability, which affects their life as a student. Disability information is recorded in FlexSIS but it is only visible to particular authorised users because of its sensitive nature.

Disciplinary action

Undertaken as the result of academic or other misconduct – eg, plagiarism, cheating, security infringement, criminal activity.

Discipline codes

A four-letter code for each area of study available at the University (eg, CHEM Chemistry, ECON 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 and 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 and flexible learning

A mode of learning which affords the opportunity to provide higher education to a much wider market – including students from anywhere in the world – at times, locations and modes that suit them. (See *Award course*, *Doctorate*, *PhD*.)

Doctorate

A high-level postgraduate award available at The University of Sydney. 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*.)

Double degree

Completing a second degree while enrolment is suspended from the first degree – eg, students enrolled in the Bachelor of Engineering may transfer to the Bachelor of Science, complete the requirements for the BSc and then resume the Bachelor of Engineering.

Downgrade

Where a student is enrolled in a PhD and where the research they are undertaking is not at an appropriate level for a PhD and the institution recommends that the student downgrade their degree to a Master's by Research course, or where the student, for personal or academic reasons, seeks to revert to a Master's by Research course. There would be no interval between the candidature for the PhD and Master's degree unless the interval was covered by a period of suspension.

With a downgrade, the research undertaken by the student while enrolled for the PhD would either be continued in the Master's by Research degree or modified to meet the requirements of the Master's program.

Earliest date

See *Research candidature*.

EFTSU

The equivalent full-time student unit (EFTSU) is a measure of student load expressed as a proportion of the workload for a standard annual program for a student undertaking a full year of study in a particular award course. A student undertaking the standard annual program of study (normally 48 credit points) generates one EFTSU.

EFTYR

See *EFTSU*.

Embedded courses/programs

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 – eg, the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology sequence.

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. The student pays whatever fees are owing to the University by the deadline for that semester. New students currently pay on the day they enrol which is normally in early February. Students already in a course at the University re-enrol each year or semester; for most students pre-enrolment is required. (See also *Pre-enrolment*.)

Enrolment non-award

An enrolment in a unit or units of study which does not count towards a formal award of the University. Non-award enrolments are recorded in various categories used for reporting and administrative purposes. (See also *Cross-institutional Enrolment*, *Non-award Course*.)

Enrolment status

A variable for students both with relation to course and unit of study. (See *Course enrolment status* and *unit of study 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

See *Examination paper code*, *Examination period*, *Supplementary exams*.

Examination paper code

A code that identifies each individual examination paper. Used to help organise examinations.

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 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. 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 *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 semesters

Distance learning students may be allowed more time to complete a module/program if circumstances are beyond the student's control – eg, drought, flood or illness affect the student's ability to complete the module/program in the specified time.

External

See *Attendance mode*.

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 (but not any unit of study which has the status of withdrawn). It also includes any scholarships or prizes the student has received. Two copies are provided to each student on graduation (one with marks and grades for each unit of study and one with grades only). External transcripts are also produced at the request of the student. The student can elect either to have marks appear on the transcript or not. (See also *Academic transcript, Internal transcript*.)

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.)

Fail

A mark of less than 50% which is not a concessional pass. This grade may be used for students with marks of 46–49 in those faculties which do not use PCON. (See also *Results*.)

Fee-paying students

Students who pay tuition fees to the University and are not liable for HECS.

Fee rate

Local fees are charged in bands, a band being a group of subject areas. The bands are recommended by faculties and approved by the Senior Deputy Vice-Chancellor.

Flexible learning

See *Distance and Flexible Learning*.

Flexible Start Date

Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or HECS students.

FlexSIS

The computer-based Flexible Student Information System at The University of Sydney. Electronically 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. FlexSIS also holds the complete academic records of many (but not all) past students of the University. For past students whose complete records are not held on FlexSIS, there will be a reference on FlexSIS to card or microfiche records where details are kept.

FTE (Full-time equivalent)

This is a measurement of staff resources and relates to the amount of time a staff member devotes to his/her current duties (ie, the job in which a staff member is working at the reference date of 31 March).

A staff member can have either a full-time, fractional full-time or casual work contract. A full-time work contract has an FTE of 1.0. A fractional full-time work contract has a value less than 1.0 (eg, 0.5).

Casual FTE values are calculated in the following manner:

$$\text{Lecturing} = \frac{\text{ContactHours}}{243}$$

$$\text{Tutoring}\backslash\text{Demonstrating} = \frac{\text{ContactHours}}{675}$$

$$\text{Marking}(\text{singleActivity})\backslash\text{Research}\backslash\text{Other} = \frac{\text{ContactHours}}{1820}$$

The denominator values of the above equations represent the hours worked by one full-time staff member in each of the occupation groups – ie, Lecturing, Tutoring/Demonstrating, etc., as imputed by DEST.

Full-time student

See *Attendance status, EFTSU*.

Funding Category

Funding Category comprises the following:

- (1) Funded from Operating Grant*,
- (2) Fee-paying local postgraduates,
- (3) Fee-paying local undergraduates,
- (4) Fee-paying international students,
- (5) Non-fee exchange international students,
- (6) Non-award (local fee-paying),
- (7) Research outside time limits,
- (8) Funded by employer.

*Refers to HECS liable students, local students enrolled under the Research Training Scheme, and local disadvantaged students enrolled in an enabling course or holding a Commonwealth-funded merit-based undergraduate HECS-exemption scholarship.

GPOF (General Purpose Operating Funds)

GPOF (General Purpose Operating Funds) includes:

General income – eg, Commonwealth and State base operating grants, fee income and miscellaneous income;

Other (Non-DEST) activities include commercial and other internal business activities not receiving a base operating grant allocation;

Specific Operating allocations includes PVC Research allocations (major equipment, etc.); and

Research infrastructure allocations.

Grade

A result outcome for a unit of study normally linked with a mark range. For example, in most faculties a mark in the range 85–100 attracts the grade 'high distinction' ('HD'). (See also *Mark*.)

Graduand

A student who has completed all the requirements for an award course but has not yet graduated. (See also Graduation, Potential graduand.)

Graduate

A person who holds an award from a recognised tertiary institution. (See also *Graduand, Graduation*.)

Graduate Certificate

See *Award course*.

Graduate Diploma

See *Award course*.

Graduate Register

A list of all graduates of the University. (See also *Graduation*.)

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. The Registrar publishes the annual schedule of graduation ceremonies.

Head of Department

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

HECS (Higher Education Contribution Scheme)

All students, except international students, local fee-paying students and holders of certain scholarships are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme. HECS liability depends on the load being taken. Current students, except possibly those who began their studies prior to 1997, have a HECS rate charged for each unit of study in their degree program which depends on the 'discipline group' it is in, and the 'band' to which the Government has assigned it. These are all determined annually by the Commonwealth Government.

HECS census date

The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST. The following dates apply:

- Semester 1: 31 March
- Semester 2: 31 August.

Higher Doctorates

See *Award course*.

Higher Education Officer (HEO)

General staff are employed under a ten level Higher Education Officer award structure. The structure, introduced at The University of Sydney in October 1993, applies to general staff in all Australian universities.

Honorary degrees

A degree *honoris causa* (translated from the Latin as 'for the purpose of honouring') is an honorary award which is conferred on a person whom the University wishes to honour.

A degree *ad eundem gradum* (translated as 'at the same level') is awarded to a member of the academic staff who is not a graduate of the University in recognition of outstanding service to the University. The award of an honorary degree is noted on the person's academic record.

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, Class III) and sometimes there are two divisions within Class II.

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.

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

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

An international student is required to hold a visa to study in Australia and may be liable for international tuition fees. Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. New Zealand citizens are not classified as international students but have a special category under HECS that does not permit them to defer their HECS liability. (See also *Local student*, *Student type*.)

Joining fee

Students enrolling for the first time pay, in addition, a joining fee for The University of Sydney Union or equivalent student organisation. (See also *Compulsory subscription*.)

Leave

See *Course leave*.

Legitimate co-operation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through interaction between students.

Liability status code

A code used by DEST to identify the liability status of a student (eg, 10 – HECS liable deferred, 11 – HECS liable upfront with discount, 13 – PELS, 19 – Local UG full fee paying, 20 – Local PG full fee paying, 22 – International fee paying, etc.)

Life membership

Under some circumstances (eg, 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. Each unit of study (subject) in which a student may enrol is assigned a weight. This 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. These weights can be aggregated in a number of different ways (by student, degree/course, department, faculty) to give student load. Student load is measured in terms of Equivalent Full-Time Student units (EFTSU).

A full-time research student is counted as 1.0 EFTSU while a part-time research student is counted as 0.5 EFTSU. (See also *EFTSU*, *HECS*.)

Local student

Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their HECS upfront. (See also *Fee type*, *HECS*, *International student*.)

Major

A defined program of study, generally comprising 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 prescribed in order to satisfy course requirements. Majors may be included on testamurs. (See also *Award course*, *Minor*, *Stream*.)

Major Timetable Clash

Used by FlexSIS to denote occasions 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) between 0 and 100 inclusive 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*, *Course (research)*, *Coursework*.)

Minor

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. Students select and transfer between minors (and majors) by virtue of their selection of units of study.

One or more minors may be prescribed in order to satisfy course requirements. Minors may be included on testamurs. (See also *Award course*, *Major*, *Stream*.)

Minor Timetable Clash

Used by FlexSIS to denote occasions when a student attempts to enrol in units of study which have some identical times of teaching.

Misconduct

- (a) Conduct on the part of a student which is prejudicial to the good order and government of the University or impairs the reasonable freedom of other persons to pursue their studies or research in the University or to participate in the life of the University; and
- (b) Refusal by a student to give satisfactory particulars of the student's identity in response to a direction to do so by a prescribed officer and any other form of willful disobedience to a reasonable direction of a prescribed officer.

Mixed Mode

See *Attendance mode*.

Mode

See *Attendance mode* and *Delivery mode*.

Model income

Income allocated to Colleges through the University's funding model.

Mutually exclusive units of study

See *Prohibited combinations of units of study*.

MyUni

A personalised space for staff and students on The University of Sydney's intranet, called USYDnet. MyUni is used to deliver information and services directly through a central location, while also allowing users to customise certain information. Students are able to access such services as exam seat numbers, results, timetables and FlexSIS pre-enrolment and enrolment variations on MyUni. (See also *USYDnet*.)

Non-award course

A course undertaken by students who are not seeking an award from the University. These may be students enrolled in an award course at another institution or students not seeking an award from any institution. Non-award courses are assigned a course code in the same way as award courses. A separate course code is assigned for each faculty, level (undergraduate or postgraduate) and method (research or coursework) which offers a non-award course. Various categories of non-award enrolment are recorded on FlexSIS for reporting and administrative purposes. (See also *Course*, *Cross-institutional enrolment*, *Enrolment non-award*.)

Non-award enrolment

See *Enrolment non-award*.

Non-specific credit

Non-specific credit is awarded when previous studies are deemed to have satisfied defined components of a course other than named units of study. These components include but are not limited to:

- entire years in courses that progress through the successful completion of a set of prescribed units of study per year
- a set number of credit points within a particular discipline or level (ie, first, second or third year)
- one or more semesters for research courses. (See also *Credit*, *Specific credit*.)

Non-standard session

A teaching session other than the standard February and August sessions – eg, Summer School, in which units of study are delivered and assessed in an intensive mode during January of each year, is an example of a non-standard session. (See also *Semester*, *Session*.)

Not enrolled reason

These reasons include: potential enrolment, did not re-enrol, not continuing, cancelled, on leave (suspended), transferred, under examination, completed.

OPRS

Overseas Postgraduate Research Scholarship.

Orientation Week

Orientation or 'O Week', takes place during the week prior to lectures in Semester 1. 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.

Part-time student

See *Attendance status*, *EFTSU*.

PeopleSoft HRMS

The University's Human Resources (HR) IT system.

PELS (Postgraduate Education Loans Scheme)

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).

Permanent home address

The address for all official University correspondence both inside and outside of semester time (eg, during semester breaks), unless overridden by semester address. (See also *Addresses*, *Business address*, *Semester address*, *Temporary 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. Entry to a PhD course often requires completion of a master's degree course. Note that the PhD course is available in most departments in The University of Sydney. In University Statistics publications, entries headed PhD include other Doctorates by advanced coursework and research, such as the S.J.D. and Ed.D. (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.

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.

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 takes place in October for the following year. Students indicate their choice of unit of study enrolment for the following year. After results are approved, registered students are regarded as enrolled in those units of study they chose and for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing or comply with other requirements by the due date. Re-enrolling students who do not successfully register 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. Pre-enrolment is also known as provisional re-enrolment. (See also *Enrolment*.)

Prerequisite

A unit of study that is required to be 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 by the University, a faculty or a department for outstanding academic achievement.

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.

Progression

See *Course progression*.

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. A unit related in this way to any other unit is linked in tables of units of study via use of the symbol N to identify related prohibited units.

Provisional re-enrolment

See *Pre-enrolment*.

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.)

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.

Registrar

The Registrar is responsible to the Vice-Chancellor for the keeping of official records and associated policy and procedures within the University. (See the University Calendar for details.)

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 candidature

Master's by research, PhD and other doctorates such as Doctor of Juridical Studies (SJD), but not Higher Doctorates – eg, DSc.

Research course

See *Course (research)*.

Research/coursework higher degrees

A student's candidature in a higher degree is deemed to be by Research if 66% or more of the workload over the length of the degree is by research. Otherwise the candidature is deemed to be by Coursework.

A supervisor is appointed to each student undertaking a research postgraduate degree. The person will be a full-time member of the academic staff or a person external to the University appointed in recognition of 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.) Research supervisor

Resolutions of Senate

Regulations determined by the Senate of The University of Sydney that pertain to degree and diploma course requirements and other academic or administrative matters.

Result processing

Refers to the processing of assessment results for units of study. Departments tabulate results for all assessment activities of a unit of study and assign preliminary results for each unit of study. Preliminary results are considered by the relevant Board of Examiners, which approves final results. Students are notified of results by result notices that list final marks and grades for all units of study. (See also *Assessment, Examination period*.)

Result processing schedule

The result processing schedule will be determined for each academic cycle. It is expected that all departments and faculties will comply with this schedule. (See also *Assessment, Examination period, Result processing*.)

Results

The official statement of the student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a grade:

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.
PCON	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.–†no more than one sixth of the total credit points for a course can †.
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	† 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.
DF	† fail	Recorded on transcript. This applies from the time DNF ceases to be automatically available up to the cessation of classes for the unit of study.
MINC	Incomplete with a mark of at least 50	This result may be 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 mark and passing grade. Except in special cases approved by the Academic Board, this result will be converted to a normal passing mark and grade either: (a) 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 the indicated mark and 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.

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: (a) 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).

RTS (Research Training Scheme)

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 Masters by research.

Scholarships

Financial or other forms of support made available by sponsors to assist Australian and international students to pursue their studies at the University. When a student's means are a criterion, scholarships are sometimes called bursaries. (See also *Prizes*.)

School

See *Department*.

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 teaching period) must be given special permission by the Academic Board. (See also *Session*, *Non-standard teaching period*.)

Semester address

The address to which all official University correspondence is sent during semester time, if it is different to the permanent address. Unless overridden by a temporary address all official University correspondence during semester (including Session 4 for students enrolled in Summer School) will be sent to this address. (See also *Addresses*, *Business address*, *Permanent home address*, *Temporary 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 – ie, 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 1 or 2 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*.

SID (Student Identifier)

A 9-digit number which uniquely identifies a student at the University.

Space allocation

Departmental space has been measured in accordance with space inventory classifications adopted by DEST. Departmental space includes academic staff studies, non-academic staff offices, special purpose teaching rooms such as laboratories, studios, computer terminal rooms, seminar rooms under 35m², common rooms, workshops, departmental storage spaces, departmental libraries, research space including laboratories and office

accommodation, postgraduate rooms and a variety of special purpose departmental rooms. Where space is shared by a number of departments it is apportioned according to use. Departmental spaces do not include general teaching spaces over 35m².

Special consideration

Candidates who have medical or other serious problems, which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

They can obtain an official form from the Student Centre. The Student Centre stamps the form and the medical or other documentation. The student gives a copy of the material to the Student Centre staff and takes copies to the relevant departments. The student retains the originals. The dates for which special consideration is sought are recorded on FlexSIS and printed on the examination register.

Special permission

See *Waiver*.

Specific credit

Awarded when previous studies are entirely equivalent to one or more named units of study offered by The University of Sydney that contribute to the course in which the applicant has been admitted. (See also *Credit*, *Non-specific credit*.)

Sponsorship

Financial support of a student by a company or government body. Sponsors are frequently invoiced directly.

SRS

The student record system responsible, prior to FlexSIS, for the processing of student records. The functions of SRS are gradually being incorporated into FlexSIS. (See also *FlexSIS*.)

Stage (equivalent to year/s of enrolment)

For the purposes of administration, a course may be divided into stages to be studied consecutively. Part-time students progress through a course more slowly and would often enrol in the same stage more than once.

Stream

A defined program of study within an award course, which requires the completion of a program of study specified by the course rules for the particular stream, in addition to the core program specified by the course rules for the award course. Students enrolled in award courses that involve streams will have the stream recorded in their enrolment record. Students normally enter streams at the time of admission, although some award courses require students to enrol in streams after the completion of level 1000 units of study. Where permitted to do so by faculty resolution, students may transfer from one stream to another, within an award course, provided they meet criteria approved by the Academic Board on the advice of the faculty concerned. A stream will appear with the award course name on testamurs – eg, Bachelor of Engineering in Civil Engineering (Construction Management). (See also *Award course*, *Major*, *Minor*.)

Student ID Card

All students who enrol are issued with an identification card. The card includes the student name, SID, the course code, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student Load

See *Load*.

Student/Staff Ratios (SSR)

These are calculated on a departmental/faculty basis by dividing the student load attributable to a particular department/faculty by

the full-time equivalent academic staff employed to teach in or on behalf of that department/faculty.

Student type

Student type can be Local, International – Fee Paying, International – Study Abroad, International – Incoming Exchange, International – Sponsored Award.

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. The program covers a broad spectrum of courses in Liberal Arts, Agriculture, Architecture, Economics, Education, Engineering, Health Sciences, Law, Music, Nursing and Science. (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 – eg, 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’.

Summer School

See *Sydney Summer School*.

Supervising Faculty

The faculty which has the responsibility for managing the academic administration of a particular course – ie, 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 at any given time. Further, in the case where one course is jointly offered by two or more faculties (eg, the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

The International Office has a supporting role in the administration of the candidatures of international students and alerts the supervising faculty to any special conditions applying to these candidatures (eg, that enrolment must be full-time). (See also *Board of studies*.)

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 position. (See also *Advisor*, *Associate supervisor*, *Instrumental supervisor (teacher)*, *Research supervisor*.)

Suppression of results

Results for a particular student can be suppressed by the University for the following reasons:

- the student has an outstanding debt to the University
- the student is facing disciplinary action.

Suspension

See *Course leave*.

Sydney Summer School

A program of accelerated, intensive study running for approximately 6 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 are full fee-paying and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Teaching department

See *Department*.

Temporary address

Students may advise the University of a temporary address. Correspondence will be sent to this address between the dates specified by the student. (See also *Addresses*, *Business address*, *Permanent home address*, *Semester address*.)

Testamur

A certificate of award provided to a graduate usually at a graduation ceremony.

Thesis

A major work that is the product of an extended period of supervised independent research. † means the earliest date at which a research student can submit the thesis. ‡ means the latest date at which a research student can submit the thesis.

Timetable

Timetable refers to 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.

UAC

The Universities Admissions Centre (UAC) receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing undergraduate students at the University apply through UAC.

UAC admissions

Most local undergraduates (including local undergraduate fee payers) apply through the Universities Admission Centre (UAC).

The University Admissions Office coordinates the processing of UAC applicants with faculties and departments and decisions are recorded on the UAC system.

Applicants are notified by UAC and an electronic file of applicants who have been made offers of admission to courses at the University is loaded onto FlexSIS. (See also *Admission*, *Direct admissions*.)

UAI (Universities Admission Index)

A number between 0.00 and 100.00 with increments of 0.05. It provides 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.

Undergraduate

A term used to describe a course leading to a diploma or bachelor’s degree. An ‘undergraduate’ is a student enrolled in such a course.

Unit of study

The smallest stand-alone component of a student’s course that is recordable on a student’s transcript. Units of study have an integer credit point value, normally in the range 3–24. Each approved unit of study is identified by a unique sequence of eight characters, consisting of a four character alphabetical code which usually identifies the department or subject area, and a four character numeric code which identifies the particular unit of study. Units of study can be grouped by subject and level. (See also *Core unit of study*, *Course*, *Major*.)

Unit of study enrolment status

The enrolment status indicates whether the student is still actively attending the unit of study (ie, currently enrolled) or is no longer enrolled (withdrawn, discontinued or cancelled).

Unit of study group

A grouping of units of study within a course. The units of study which make up the groups are defined within FlexSIS.

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 students qualified for the award of an undergraduate Honours degree or some master’s degrees whose academic performance is judged to be outstanding.

UPA

University Postgraduate Award.

Upgrade

Where a student is enrolled in a Master’s by research course and where the research they are undertaking is 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. There would be no interval between the candidature for the Master's degree and the PhD unless the interval was covered by a period of suspension.

With an upgrade, the research undertaken by the student while enrolled for the Master's by research degree would either be continued in the PhD or modified to meet the requirements for a PhD program.

USYDnet

The University of Sydney's intranet system. In addition to the customised MyUni service, 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. (See also MyUni.)

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.

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*.)

WAM (Weighted Average Mark)

This mark uses the unit of study credit point value in conjunction with an agreed 'weight'. The formula for this calculation is:

$$WAM = \frac{\sum(\text{marks} \times \text{creditPointValue} \times \text{levelWeight})}{\sum(\text{creditPointValue} \times \text{levelWeight})}$$

The 'marks' used in this formula are the actual marks obtained by the student in each unit of study, as recorded on the student's record, including any marks of less than 50, and in the case of a failing grade with no mark, the mark defaults to 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.

Faculty resolutions may also include specific formulae for the purpose of calculating progression between years, or for calculating entrance into an honours year. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. (Effective from 1 January 2004.)

YAM (Yearly Average Mark)

This term has been renamed AAM (Annual Average Mark). See AAM in this Glossary.

YFE (Year of First Enrolment)

The year in which a student first enrolls at the University.

Youth Allowance

Youth Allowance is payable to a full-time student or trainee aged 16–24 years of age; and 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. Youth Allowance replaces AUSTUDY.

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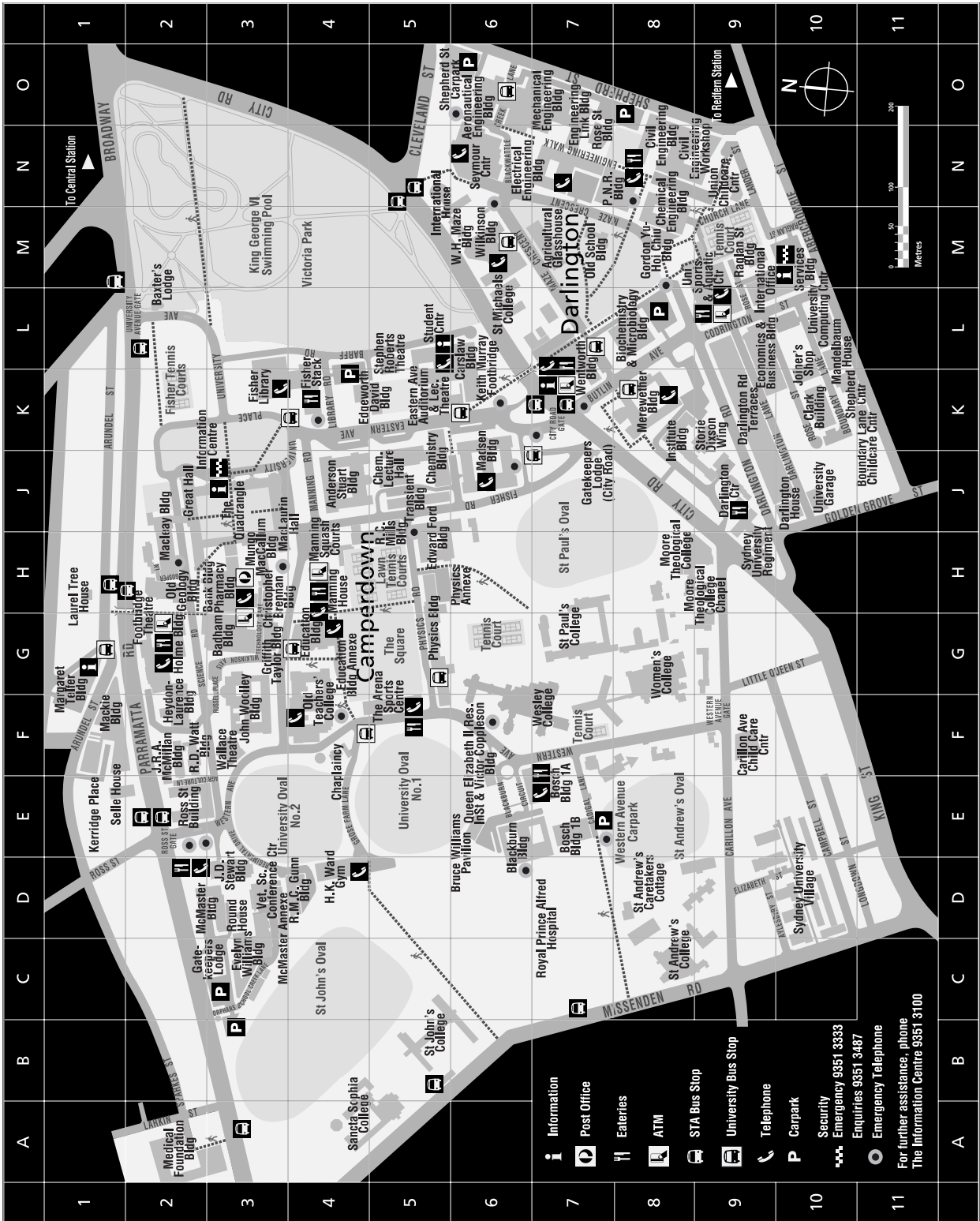
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Main campus map



University Buildings

- O6 Aeronautical Engineering Building
- J4 Anderson Stuart Building
- G3 Badham Building
- H3 Bank Building
- L2 Baxter's Lodge
- E8 Biochemistry and Microbiology Building
- E6 Blackburn Building
- E7 Bosch Building 1A
- E7 Bosch Building 1B
- 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 Heydon-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
 - O6 Mechanical Engineering Building
 - A2 Medical Foundation Building
 - K8 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
 - O6 Shepherd Street Carpark
 - L5 Stephen Roberts Theatre
 - K9 Stone Dixon 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 Coppleson 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
 - 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 No1
 - 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

