



The University of Sydney

Faculty of Education and Social Work Handbook 2005

University dates

University semester and vacation dates 2005

Summer School

Lectures begin	Tuesday 4 January
Lectures end	Friday 4 March

Semester 1

Lectures begin	Monday 7 March
AVCC Common Week/non-teaching Easter Period	Friday 25 March to Friday 1 April
Study vacation	Monday 13 June to Friday 17 June
Examination period	Monday 20 June to Saturday 2 July
Semester ends	Saturday 2 July
AVCC Common week/non-teaching period	Monday 4 July to Friday 8 July

Semester 2

Lectures begin	Monday 25 July
AVCC Common Week/non-teaching period	Monday 26 September to Friday 30 September
Study vacation	Monday 31 October to Friday 4 November
Examination period	Monday 7 November to Saturday 19 November
Semester ends	Saturday 19 November

Last dates for withdrawal or discontinuation 2005

Semester 1 units of study.

Last day to add a unit	Friday 18 March
Last day for withdrawal	Thursday 31 March
Last day to discontinue without failure (DNF)	Friday 29 April

Last day to discontinue (Discontinued – Fail)	Friday 10 June
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Semester 2 units of study.

Last day to add a unit	Friday 5 August
Last day for withdrawal	Wednesday 31 August
Last day to discontinue without failure (DNF)	Friday 9 September

Last day to discontinue (Discontinued – Fail)	Friday 28 October
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Last day to withdraw from a non-standard unit of study.	Details in the session calendar on the Timetable Unit website. http://web.timetable.auth.usyd.edu.au/
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These dates (and any updates) are also available at:
www.usyd.edu.au/fstudent/undergrad/apply/scm/dates.shtml

The University of Sydney

NSW 2006
Phone: (02) 9351 2222
Web: www.usyd.edu.au

Faculty of Education and Social Work

Phone: (02) 9351 2634
Fax: (02) 9351 5027
Web: www.edfac.usyd.edu.au

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

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

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Faculty of Education and Social Work Handbook

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

University Dates

Please see the University Dates (<http://www.usyd.edu.au/fstudent/undergrad/apply/scm/dates.shtml>) page for a listing of all current semester, holiday and examination dates within the University of Sydney.

important part of students' experience in the Faculty. Best of all are the Faculty's staff and students, who together create an exciting intellectual environment, in which it is very rewarding to participate. We are pleased that you are considering joining the Faculty of Education and Social Work at the University of Sydney and hope that we will be able to welcome you in coming months.

Message from the Dean

On behalf of the teaching and administrative staff I welcome you to the Faculty of Education and Social Work. Formerly a department in the Faculty of Arts, the Faculty of Education was established in 1986. In 2003, it welcomed colleagues from the Department of Social Work, Social Policy and Sociology to create the Faculty of Education and Social Work. The occupations associated with Education and Social Work share much in common, and we are in the process of developing joint programs that involve aspects of both professions and which allow our graduates to be particularly effective in working with young people. The amalgamation has been very important in developing concepts of professional education and ways of supporting students as learners and practitioners.

Professor Derrick Armstrong
Dean

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

The Faculty is one of the largest in the country and at the undergraduate level, offers courses to students wishing to become teachers at the primary or secondary school levels, or who will specialize in the PDHPE (Personal development, health and physical education), school counselling or D&T (Design and Technology) areas, and, of course, Social Work. In addition to dedicated, single degrees, the Faculty also offers a number of double degree courses with other faculties in the University. A feature of both types of courses is a strong partnership with other faculties in the University. In all degree courses, students have the opportunity to study in areas of their interest in the Faculty of Arts, Science or Economics and Business. Professional experience in schools or human services agencies are important components of all degrees.

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

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

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

1. Faculty of Education and Social Work

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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 Learning provides high quality services to students and offers continuing studies and support for professional educators.

Schools and divisions

School of Development and Learning

Phone: (02) 9351 3687
Fax: (02) 9351 2606
Email: p.reimann@edfac.usyd.edu.au
Acting Head of School: Professor Peter Reimann
Executive Assistant: Ms Cecilia Rigor-Aguilar

School of Policy and Practice

Phone: (02) 9351 2791
Fax: (02) 9351 4580
Email: a.welch@edfac.usyd.edu.au
Acting Head of School: Associate Professor Anthony Welch
Executive Assistant: Ms Deborah Young

School of Social Work and Policy Studies

Phone: (02) 9351 4038
Fax: (02) 9351 3783
Email: j.irwin@edfac.usyd.edu.au
Head of School: Associate Professor Jude Irwin
Executive Assistant: TBA

Division of Graduate Studies

Phone: (02) 9351 3160
Fax: (02) 9351 2606
Email: b.paltridge@edfac.usyd.edu.au
Head of the Division: Associate Professor Brian Paltridge

Division of Undergraduate Studies

Phone: (02) 9351 2791
Fax: (02) 9351 4580
Email: j.hughes@edfac.usyd.edu.au
Head of the Division: Dr John Hughes

Division of Professional Learning

Phone: (02) 9351 6311
Fax: (02) 9351 4235
Email: r.ewing@edfac.usyd.edu.au
Acting Head of Division: Associate Professor Robyn Ewing

Executive Assistant: Ms Gaye Wolnizer
Professional Experience Coordinator: Dr Llian Merritt
Partnerships Coordinator: Mr Mike Horsley
Professional Development Coordinator: Dr Judy Anderson

Division of Research

Phone: (02) 9351 8945
Fax: (02) 9351 8946
Email: edfac.research@edfac.usyd.edu.au
Head of the Division: Professor Peter Goodyear

Division of International Relations

Phone: (02) 9351 6396
Fax: (02) 9351 5662
Email: k.laws@edfac.usyd.edu.au
Head of the Division: Dr Kevin Laws

List of staff

Administration

Dean
Professor Derrick Armstrong
Executive Assistant to the Dean
Marion Lupton
Pro-Dean
Associate Professor Phillip Jones
Associate Deans
Associate Professor Brian Paltridge (Division of Graduate Studies)
Dr John Hughes (Division of Undergraduate Studies)
Dr Donna O'Connor (Teaching and Learning)
Dr Kevin Laws (International and External Relations)
Faculty Manager
Shona Smith, BA(Hons) LLB GradDip Museum Stud
Manager Student Administration (shared)
Paula Simpson, BA, BArtTh(Hons) UNSW
Maria McQuilty, BA
Publications and Undergraduate Advisor
Tanya Keane, DipComm Illust QIT
Acting Undergraduate Manager
Eva Papas BA, DipEd UNSW
Student Liaison Officer
Brett Ryan, BA Macq MIR & HRM
Postgraduate Manager
Maria-Grace Guerreiro, BA DipEd UNE
International Advisor
Gilbert Cheng, BEc NSW
Postgraduate Assistant
Maryke Sutton
Acting MTeach Advisor
Wendy Travers
Manager Professional Experience and Partnerships
Robyn Hector, DipTeach NSTE MA UTS
Professional Experience Coordinator
Cheryl Brown
Milly Vranes BA (Hons)
Manager Finance
Gowrie Guhan, ACMA
Finance Officer
Anthea Lo
Syedda Ali
Manager Student Recruitment
Lisa White, BA GradDipMgmt UNSW
Student Recruitment Assistant
Samantha Norris
Manager Facilities and Resources
John Usman, DipEd Tech Glasgow DipMangt & Lead TAFE
Technical Staff
Adriana Scodellaro, Cert ChemTech Argentina Tech Coll Lab Cert TAFE
Research Officer
Rosalie Robinson, GradDipl Eng UNSW BA DipEd MEd(Hons)
Web Master

Andrew Jessup
Administrative Assistant - Children's Centre (part-time)
 Menraj Sachdev
Building Attendants
 Terry Lane (Campus Services) (Head)
 Alice Lake (Campus Services)
 Peter McAndrew (Campus Services)
 Peter van Welsem (Campus Services)
 Glen Blackhall (Campus Services)
Mail Assistant
 David Myers

Library

Curriculum Resources Collection (located in Fisher Library)
 Jacquei Hicks, GradDipLibInfSci RivMIHE DipEd ArmidaleCAE
 MA
 Mari El Chami

Schools

School of Development and Learning

Acting Head of School
 Professor Peter Reimann MPsych (Freiburg) PhD (Freiburg)
Executive Assistant
 Cecilia Rigor-Aguilar, DipLib Tech Sydney TAFE
Professors
 Peter Goodyear, BSc, PhD Ulster, FCIIPD
Associate Professors
 David Evans, BEd GradDipSpEd MA PhD Oregon
 Brian Paltridge, BA Wellington RSA Dip TEFLA GradDip TESOL
 UTS AssDipCommunityLanguages UWS MA (Applied Linguistics)
 PhD Waikato NAATI III
Senior Lecturers
 Judy Anderson, BA Macq, BSc Syd, MEd Syd, PhD ACU
 Laurel Bornholt, BA Melb., PhD Macq
 Neville Goodwin, BA MEd
 Lesley Harbon, PhD Tas MEd UNE BA DipEd
 Jacqueline Manuel, BA DipEd PhD UNE
 Paula McAndrew, BLib (Hons) Coventry, TESOLCert Coventry,
 MA (Applied Linguistics) Macq, PhD Macq
 Jennifer O'Dea, BA DipNutrDiet MPH PhD
 R Armstrong Osborne, MSc PhD DipEd
 Dennis L Robinson, PhD Lond MA DipEd
 Hui Shen, BA Fudan TEFLCert Minn BEd DipEd LaTrobe PhD
 Anthony Sperring, MScSoc UNSW BA BSc DipEd MRACI
 Ian Stevens, MAppSc UNSW BScAgr DipEd
 Richard Walker, BA DipEd N'cle(NSW) MEd PhD
 Rachel Wilson BSc ANU, Grad Dip Aud Melb, PGCE, MSC, DPhil
 Oxon
Lecturers
 Susan Colmar, BA Auck, MA (Hons) Auck, DipEdPsych Auck,
 PhD Macq
 Paul Dufficy, DipEd SydTeachColl GDipTESOL SCAE
 MA(TESOL) UTS BA
 Stephen Juan, BA MA PhD CalBerk
 Nigel Goodwin, BSc(IndArts) DipEd MSc(Architecture) MEd
 Michael Gunnourie, MSc Macq BSc DipEd
 David J Reid, GDipEdSt SCAE GDipCommMgt Kuring-gai CAE
 MA DipEd MACE MASET
 Alyson Simpson BA GradDipEd MEd PhD UWS
 Louise Sutherland, BSc MEd PhD
 Kathleen Tait, DipTeach (Special Ed & Primary) BEd MEd
 Angela Thomas, BEd MEd Tas
Honorary Associate Professors
 Raymond L Debus, PhD Ill BA DipEd
 Michael M King, CertEd BEd (Hons) Lond PhD Sus MIBiol
 Kenneth E Sinclair, EdM PhD Ill BA
 Ian Smith, BA MA PhD Stan
Adjunct Professor
 Frances H Christie BA DipEd Syd, MEd (Hons) Syd, MA Syd, PhD
 Syd
 Trevor R Parmenter, PhD, FACE FAAMR FFIASSID
Honorary Senior Lecturer
 Lindsay A Grimison, BSc MEd DipEd
Adjunct Senior Lecturer
 John Eklund, BSc DipEd Woll GradDipEdStud MEd (Computer
 Ed) PhD
Postdoctoral Research Fellow
 Lina Markauskaite, BSc & MSc VU, MCM Strath, PhD IMI &
 VMU

School of Policy and Practice

Acting Head of School
 Anthony R Welch, HigherDipTeach Melb Dip.Ed.MA PhD London
Executive Assistant
 Deborah Young, DipWelfare & Soc.Sci SIT
University Professor
 Robert W Connell, BA Melb PhD FASSA
Professors
 Judyth Sachs, BA PhD Qld MA W Mich
 Geoffrey E Sherington, MA UNSW PhD McMaster BA FRAHS
 (Personal Chair in History of Education)
Associate Professors
 Stephen J Crump, BA DipEd Macq MEd PhD
 Robyn A Ewing, BEd PhD
 Phillip Jones, BA PhD
 Murray Print, BA DipEd WAust PhD Ohio State MA
 Louise Rowling, PhD S'ton BA MEd DipEd UNSW MA Macq
 MAPsS
 Gerard Sullivan, BBSoc DipEd LaTrobe MA PhD Hawaii
Senior Lecturers
 Janette Bobis, BEd MEd(AdminHons) PhD UNSW
 Craig Campbell, BA DipEd PhD Adel
 Robyn Gibson, MEd Melb MSc(Human Ecology) Ohio PhD RMIT
 Michael W Horsley, BEc DipEd MEd
 John Hughes, AdCert TESOL Lond BA MA DipEd EdD
 Kevin Laws, EdD Georgia MA
 Richard Light, DipTeach Nthn Rivers BEd Kuringai MEd Deakin
 , PhD QLD
 James D Mackenzie, BA Monash MA PhD UNSW
 Jan M Milton, BA MSc UNSW DipEd
 Donna O'Connor, BEd(Hons) MEd(Hons) PhD
Lecturers
 Timothy A Allender, BA DipEd Monash MA PhD
 Michael Anderson BA Macq, Dip Ed Tas MA(Hons) Wol1, PhD
 Syd
 Nigel F Bagnall, BA Auck BEd DipSLT Massey MEd PhD Melb
 Margaret Freund, BEd Canberra CAE BA(Hons) ANU MEd Syd
 MArtEd UNSW
 Steve Georgakis, BEd PhD
 Marianne Hulsbosch, BEd Netherlands MCA W'gong GDipPro-
 fArtStud SCAE
 Karen Lambert, BEd W'gong MHSc UWS
 Llian Merritt, BEd(Business) MEd (StaffDevelopment) GradDipCur-
 ricDevelop S Aust PhD Syd
 Sandra Newell, BEd Deakin MEd W'Syd
 Sandra H Nicholls, BA UNSW PhD Macq MAPsS MBPS
 George Odhiambo, DipEd(Humanities) Kagumo MSc Oxford PhD
 UNE
 Margaret Pickup, MS Oregon MEdStud N'cle(NSW) DipPE
 CertHed W'gong TC
 Tracy Rockwell, DipTeach Kuring-gai CAE; B.Sc Oregon, MSc
 Oregon, PhD Syd
 Lesley Scanlon, BA(Hons) N'cle(NSW) DipEd William Balmain
 MA Lond PhD UTS
 Carmel Fahey, MA DipEd Macq MEd
Adjunct Professor
 Kerry Kennedy, MA PhD Stanford MEd BA DipEd NSW MLitt
 UNE FACE
 Gordon Stanley, PhD West Syd
Adjunct Associate Professor
 Lyndsay Connors, BA Syd DipEd CanberraCAE Hon.Doctorate
 Uni of Canberra HonDoctorate UniSAust
Ewing Postdoctoral Fellow
 Nicole Wedgwood, PhD Syd BA(Hons) Curtin
Ewing Pre-doctoral Fellow
 Peter Chown, BA DipEd MEd Syd
Postgraduate Fellows (2003)
 Harshi Gunawardena BSc(Hons) UNSW
 Jacqueline Mikulsky MEd Syd MA Columbia Uni BSci NY Uni
 Margarita Smit, MEd(Hons) Grad Dip Ed, BA Syd
Honorary Associate
 Christine Asmar, BA(Hons) Syd PhD Macq
 Angela Brew, BA(Hons) UniWales MA UniEssex PhD UniBath
 Kim McShane, BA UniTas BEd(TESOL) MA(AppliedLinguistics)
 LaTrobe
Senior Research Associate
 Kathy Edwards BA(Hons) Adel and PhD (UNSW)

1. Faculty of Education and Social Work

Research Associate

Lyndon Megarrity BA(Hons) MA James Cook University PhD UNE
England

School of Social Work and Policy Studies

Head of School

Associate Professor Jude Irwin, BSW U.N.S.W. MA Macq.

Executive Assistant

TBA

Professor of Social Work

Barbara Fawcett BSc MSc (Oxon) CQSW PhD Manchester, ILT

Senior Lecturers

Sue Goodwin, BA ANU PhD

Lesley Laing BSW PhD UNSW

Lindsey Napier, MA Aberd. DipSocStud Edin. DipMH LSE. MSW

Fran Waugh, BSW UNSW PhD

Lecturers

Denise Lynch, BSW UNSW Mcrim UNSW

Agi O'Hara, BA Hons Psych

Ruth Phillips BA UWA BA Hons Murdoch PhD UNSW

Zita Weber, BSocStud Hons PhD

Honorary Staff

Janet George BA N.E. MPhil HK PhD, Honorary Associate Professor

John Hart PhD, MA Bradford, UK, Honorary Senior Lecturer

Karen Healy, BSocWk PhD Qld

Michael Horsburgh MSW UNSW BA DipSocWk, Honorary Associate Professor

Mary Lane BA MSW DipSocStud, Honorary Senior Lecturer

Jan Larbalestier BA PhD Macq., Honorary Senior Lecturer

Tony Vinson, BA DipSocStud MA Hons UNSW PhD UNSW,

Honorary Professor

Professional Officer - Field Education

TBA

Contact details

Education Building, A35

The University of Sydney

NSW 2006

Phone: (02) 9351 2634

Fax: (02) 9351 5027

Email: all staff in the Faculty may be contacted by email. Simply take the first initial and family name of the staff member (eg, j. smith) and add it to '@edfac.usyd.edu.au'. If you want to contact John Smith, email him as follows: j.smith@edfac.usyd.edu.au. Alternatively, you may email enquiries by sending an email directly from the Web site, www.edfac.usyd.edu.au.

Centres of the Faculty

CoCo Research Centre

(Centre for Computer Supported Learning and Cognition)

Directors

Professor Peter Reimann

Professor Peter Goodyear

Administrative Assistant

Mandy Newton, BA (Canb)

Educational Multimedia Designer

Dorian Peters, BA (Carnegie Mellon University), MMDes Syd

Web Application Developer

Adam Ullman, BE Syd

The aim of the centre is to act as a focus for research and postgraduate study in the field of ICT and Education (broadly defined to include any kinds of research investigating the use of ICT to support learning and/or teaching). The Centre's objectives include: the provision of a convivial, innovative, productive and well-resourced environment for leading-edge research; to support innovative programs of postgraduate study; to assist colleagues in the Faculty, and in the rest of the University of Sydney, develop new lines of research in the field of ICT and Education; to foster networks of researchers and practitioners involved in the field, and encourage collaboration with colleagues in other research centres; to attract researchers to the University, including PhD students and distinguished visitors from academia and industry.

Centre for Early Intervention Research

(including the Evelyn McCloughan Children's Centre)

Director

Dr David Evans

The Children's Centre operates as an educational resource within the Faculty of Education and Social Work. It was established in 1977

in order to help students within the Faculty to become more aware of children with learning difficulties, and to provide them with the knowledge and skills to be able to teach such children. Currently within the Centre there are three units: *Language Development unit* - Developing skills in speaking, listening, reading and writing; *Numeracy unit* - Developing the child's mathematical ability in the areas of number, space and measurement; *Early Learning unit* - Programs in this unit aim to develop perceptual, communication, thinking and social skills as well as a wide variety of concepts.

The Centre is currently under review and future directions are being developed for 2005 and beyond. As part of these future directions, emphasis has been put into developing a greater research focus and community service components, as well as a revitalised undergraduate program of teaching. Research students associated with members of the Centre are researching areas including: Peer tutoring in the secondary school; Social adjustment and early literacy skills in young children identified "at-risk"; Effective mathematics programs for students experiencing learning difficulties.

Health Education unit

Director

Ms Meg Pickup

Health Education Unit Library Manager

Tim Cotsford

Senior Education Officer

Kylie Fitzgerald

Library 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.

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
 Ms Molly 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 CRTC 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*

Mr David Reid
 Phone: (02) 9351 6341

Fax: (02) 9351 2606
 Email: d.reid@edfac.usyd.edu.au
Assistant Coordinator
 Ms Jacqueline Mikulsky
 Phone: (02) 9351 5378
 Fax: (02) 9351 2606
 Email: j.mikulsky@edfac.usyd.edu.au

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

Dr Michael Anderson
 Phone: (02) 9351 7810
 Fax: (02) 9351 4580
 Email: m.anderson@edfac.usyd.edu.au
Assistant Coordinator
 Ms Harshi Gunawardena
 Phone: (02) 9036 9643
 Fax: (02) 9351 4580
 Email: h.gunawardena@edfac.usyd.edu.au

BEd(Sec)/BA(Psychology),BEd(Sec)/BSc(Psychology)*Course Coordinator*

Dr Susan Colmar
 Phone: (02) 9351 6265
 Fax: (02) 9351 2606
 Email: s.colmar@edfac.usyd.edu.au
Assistant Coordinator
 Ms Harshi Gunawardena
 Phone: (02) 9036 9643
 Fax: (02) 9351 4580
 Email: h.gunawardena@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
Assistant Coordinator
 Ms Margarita Smit
 Phone: (02) 9351 6263
 Fax: (02) 9351 4580
 Email: m.smit@edfac.usyd.edu.au

BEd(Sec: Design and Technology)*Course Coordinator*

Dr Lesley Scanlon
 Phone: (02) 9351 6380
 Fax: (02) 9351 4580
 Email: l.scanlon@edfac.usyd.edu.au
Assistant Coordinator
 Ms Margarita Smit
 Phone: (02) 9351 6263
 Fax: (02) 9351 4580
 Email: m.smit@edfac.usyd.edu.au

Honours*Course Coordinator*

Dr Richard Light
 Phone: (02) 9351 6319
 Fax: (02) 9351 4580
 Email: r.light@edfac.usyd.edu.au

Course coordinators - Bachelor of Social Work**Social Work***Course Coordinator*

Dr Lesley Laing
 Phone: (02) 9351 4091
 Fax: (02) 9351 3783
 Email: l.laing@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 and Social Work Society

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

Many resources are also available through the Society, including cheap photocopying, access to many computers, laser printer, lamin-

ator, binder and fax. There is also a women's room with facilities for babies, a microwave oven and free tea and coffee services. The 'Dungeon' located in the Old Teachers' College Building provides a recreation room with pool table, pinball and vending machines for student use.

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

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

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

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

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

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

2. Introduction to Education Undergraduate Study

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

Bachelor of Education (Primary Education)

Course Coordinator

Mr David Reid

Phone: (02) 9351 6341

Fax: (02) 9351 2606

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

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

Units in the sciences, social sciences and humanities are selected from a wide range offered by the faculties of Arts, Science, and Economics and Business. Alongside these, units in generalist education and professional studies in primary education are undertaken in the Faculty of Education.

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 3001 Practical Studies in Physical Education 3
 - EDUH 3006 Teaching & Learning in PDHPE 2
 - EDUH 3004 Psychosocial Health Issues
 - EDUH 3014 Assessment and Evaluation in PDHPE
 - EDUH 3005 Adolescent Health Issues
 - EDUH 3023 Exercise Physiology
 - EDUH 3002 Practical Studies in Physical Education 4
 - EDUH 3003 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 Michael Anderson
Phone: (02) 9351 7810
Fax: (02) 9351 4580
Email: m.anderson@edfac.usyd.edu.au

Course Assistant

Ms Harshi Gunawardena
Room 519
Phone: (02) 9036 9643
Email: h.gunawardena@edfac.usyd.edu.au

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

- English
- Drama
- History
- Languages (may be taken as a double method): 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 and Social Work. In the third year of the degree students begin the full professional program in teaching and curriculum. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

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

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

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

Year 1

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

Year 2

- 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 45 days practice teaching) 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 Michael Anderson
Phone: (02) 9351 7810
Fax: (02) 9351 4580
Email: m.anderson@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 and Social Work. In the third year of the degree students begin the full professional program in teaching and curriculum. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

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

The program is strongly supported by laboratory work and school experiences, designed to produce highly qualified and sought after graduates. 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);
- 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 45 days practice teaching) 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 Michael Anderson
Phone: (02) 9351 7810

Fax: (02) 9351 4580

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

Mathematics Curriculum Coordinator

Dr Judy Anderson
Phone: (02) 9351 6264

Fax: (02) 9351 2606

email: j.anderson@edfac.usyd.edu.au

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

- Mathematics
- Mathematics/Computing Studies
- Mathematics/Science

Students must take mathematics as a major subject. However, students can choose to take mathematics as a double or single teaching subject. As a single teaching subject it can be coupled with Computing Studies or a wide range of Science subject areas (to include at least two full years in one teaching science and a full year in a second teaching science). In the first two years students take Education as a compulsory subject, together with Mathematics. Students may choose to take Statistics with the Mathematics units. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

The two degrees are completed in five years. However, it is possible to leave the course at year three with a BSc only, or at year four with a BEd only.

Students exiting with a BSc only must provide notification in writing at the end of Year 2 and submit this notification to the Faculty of Education and Social Work and a copy to the Faculty of Science.

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

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 45 days practice teaching) 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 Susan Colmar
Phone: (02) 9351 6265

Fax: (02) 9351 2606

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

2. Introduction to Education Undergraduate Study

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 Susan Colmar
Phone: (02) 9351 6265
Fax: (02) 9351 2606
Email: s.colmar@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 psy-

chology, 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

Dr Lesley Scanlon
Phone (02) 9351 6380
Fax: (02) 9351 4580
Email: l.scanlon@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 or higher 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
- OR
- Textile Science through external study
- Teaching Technology IA/1B
- Teaching and Learning 1 (DandT)

Year 3

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

Year 4

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

Bachelor of Education (Honours)

Honours Co-ordinator

Dr Richard Light
Phone: (02) 9351 6319
Email: r.light@edfac.usyd.edu.au

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.

2. Introduction to Education Undergraduate Study

Thinking skills

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

- interpret educational research and theory critically
- exercise critical judgement
- think rigorously and independently
- account for their decisions
- evaluate their own performance realistically
- adopt a problem-solving approach
- think creatively and imaginatively.

Personal skills

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

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

Personal attributes

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

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

Practical skills

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

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

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

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

3. Introduction to Social Work Undergraduate Study

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

Bachelor of Arts/Bachelor of Social Work Degrees

Course Coordinator:
Dr Lesley Laing
Phone: (02) 9351 4091
Fax: (02)9351 3783
Email: l.laing @edfac.usyd.edu.au

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 to act consistently with regard to professional values and ethics. Field educators determine the scope and parameters of learning opportunities within the agency. In negotiation with their field educator, students are asked to produce a contract that will set out what they hope to learn, how that learning will happen and how with their field educator, they will monitor and evaluate this learning.

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

- an understanding of social work and social policy theory and practice and their interdisciplinary nature in historical, cultural, socio-economic and political contexts;
- an understanding of 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:
Dr Lesley Laing
Phone: (02) 9351 4091
Fax: (02)9351 3783
Email: l.laing @edfac.usyd.edu.au

The Bachelor of Social Work is a four year, full-time degree course preparing students to practise as accredited professional social

3. Introduction to Social Work Undergraduate Study

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 to act consistently with regard to professional values and ethics. Field educators determine the scope and parameters of learning opportunities within the agency. In negotiation with their field educator, students are asked to produce a contract that will set out what they hope to learn, how that learning will happen and how with their field educator, they will monitor and evaluate this learning.

The Bachelor of Social Work prepares graduates who have:

- an understanding of social work and social policy theory and practice and their interdisciplinary nature in historical, cultural, socio-economic and political contexts;
- an understanding of 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. Dr. Catriona Elder. **Session:** Semester 1. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one exam (40%) and other work as assigned by coordinator (20%).

This unit introduces students to the study of sociology through an analysis of contemporary Australian society. Using a range of sociological concepts and theories, we will analyse society in the period known as 'modernity'. Students will be encouraged to analyse existing social phenomena through the prisms of gender, sexuality, ethnicity, multiculturalism and Indigeneity.

Textbooks

Readings will be available.

SCLG 1002 Introduction to Sociology 2

6 credit points. Dr. Catriona Elder. **Session:** Semester 2. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one exam (40%) and other work as assigned by coordinator (20%).

Students will continue to be introduced to sociology through the analysis of contemporary society. Through a focus on the sociology of everyday life, we will explore the relationships between various social and cultural forms, institutional sites and the practices of everyday life. Topics such as fame and celebrity, fashion and consumption, globalization community and belonging will be explored.

Textbooks

Readings will be available.

Year 2

SCWK 2001 Psychology for Social Work 201

8 credit points. Ms O'Hara. **Session:** Semester 1. **Classes:** 3 lectures + 1 tutorial/week. **Prerequisites:** 48 credit points. **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:** Semester 2. **Classes:** (3 lectures + 1 tutorial)/week. **Prerequisites:** 48 credit points and SCWK2001 Psychology for Social Work 201. **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 (e.g. 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:** Semester 1. **Classes:** two 1-hour lectures and one 1-hour tutorial/week. **Prerequisites:** 48 Junior credit points. **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:** Semester 2. **Classes:** three hrs/week consisting of one lecture plus one tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002 or SCWK2003. **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:** Semester 1. **Classes:** 5hrs/wk. **Prerequisites:** 96 credit points to include - 8 Senior level credit points of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit points; SCWK2002 or 8 intermediate Psychology credit points. **Corequisites:** SCWK3002,3003,3004..

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:** Semester 1. **Classes:** 5 hrs/wk. **Prerequisites:** 96 credit points to include- 8 Senior credit pts of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit pts; SCWK2002 or 8 intermediate Psychology credit pts. **Corequisites:** 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:** Semester 1. **Classes:** 12 hrs orientation in week 1; 2hrs per fortnight from week 3 to 13. **Prerequisites:** 96 credit points to include- 8 Senior credit pts of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit pts; SCWK2002 or 8 intermediate Psychology credit pts. **Corequisites:** 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:** Semester 1. **Classes:** 3 hrs/week (workshop). **Prerequisites:** 96 credit points to include- 8 Senior credit pts of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit pts; SCWK2002 or 8 intermediate Psychology credit pts. **Corequisites:** 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:** Semester 2. **Classes:** 2 hrs/fortnight (Monday mornings). **Prerequisites:** 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 website.

Year 4

SCWK 4002 Integrative Studies 402

6 credit points. **Session:** Semester 2b. **Classes:** 12 hours/week (seminars and lectures). **Corequisites:** 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:** Semester 1a. **Classes:** 12 hours/week (seminars and lectures). **Prerequisites:** SCWK3005.

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:** Semester 2a. **Classes:** 12 hours/week (seminars and lectures). **Corequisites:** 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:** Semester 1b. **Classes:** 2 hours/fortnight. **Corequisites:** 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:** Semester 2a. **Classes:** 2 hours/fortnight. **Prerequisites:** 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: Pre-requisites Q: Qualifying C: Corequisites N: Prohibition	Session
Year 1				
SCLG 1001	Introduction to Sociology 1	6		Semester 1
SCLG 1002	Introduction to Sociology 2	6		Semester 2
Year 2				
SCWK 2001	Psychology for Social Work 201	8	P 48 credit points. N PSYC2111-2114. NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.	Semester 1
SCWK 2002	Psychology for Social Work 202	8	P 48 credit points and SCWK2001 Psychology for Social Work 201 N PSYC2111-2114. NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.	Semester 2
SCWK 2003	Sociology for Social Work	8	P 48 Junior credit points N SCLG1001 and SCLG1002 NB: This unit is only available to students enrolled in the BSW and not completed first year Sociology	Semester 1
SCLG 2521	Social Inquiry: Research Methods	8	P SCLG 1001 and SCLG 1002 or SCWK2003 N Students may not enrol in SCLG 2521 if they have previously completed SCLG 2002 Social Inquiry: Research Methods in Sociology	Semester 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 SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit points; SCWK2002 or 8 intermediate Psychology credit points. C SCWK3002,3003,3004.	Semester 1
SCWK 3002	Issue Based Learning Unit 2	6	P 96 credit points to include- 8 Senior credit pts of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit pts; SCWK2002 or 8 intermediate Psychology credit pts. C SCWK 3001,3003,3004.	Semester 1
SCWK 3003	Preparation Seminar 301	6	P 96 credit points to include- 8 Senior credit pts of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit pts; SCWK2002 or 8 intermediate Psychology credit pts. C SCWK 3001,3002,3004.	Semester 1
SCWK 3004	Skills Workshop 301	6	P 96 credit points to include- 8 Senior credit pts of Sociology or SCWK2003; SCLG2521; SCWK2001 or 8 intermediate Psychology credit pts; SCWK2002 or 8 intermediate Psychology credit pts. C SCWK 3001,3002, 3003.	Semester 1
SCWK 3005	Field Education 1	24	P SCWK 3001, 3002, 3003 and 3004	Semester 2
Year 4				
SCWK 4002	Integrative Studies 402	6	C SCWK 4004, SCWK 4006	Semester 2b
SCWK 4003	Issue Based Learning Unit 3	9	P SCWK3005	Semester 1a
SCWK 4004	Issue Based Learning Unit 4	9	C SCWK 4002, SCWK 4006	Semester 2a
SCWK 4005	Field Education 2A	15	C SCWK 4003	Semester 1b
SCWK 4006	Field Education 2B	9	P SCWK 4005	Semester 2a

4. Education units of study

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

Units of study descriptions

Education Foundations

Education 1 (All Education Students)

EDUF 1018 Education, Teachers and Teaching

6 credit points. Dr Lesley Scanlon. **Session:** Semester 1. **Assessment:** Workshop presentation, academic writing competency exercise, 2500 word project, examination 1hr 30mins.

This unit of study is the first part of Education I and provides a general introduction to education and teaching studies in the Bachelor of Education. The unit integrates the themes: (1) knowledge, culture and the curriculum, (2) teaching as a process and way of life and (3) teachers as lifelong learners and as researchers. Students keep a reflective journal in which they critically reflect on their own schooling, the schooling of another generation and the portrayal of teachers in popular culture. Within this unit students are mentored by more experienced students during their first semester transition to university. Workshops in academic writing are also provided the students. At the conclusion of the unit students will have developed and demonstrated an understanding of the complex nature of teachers' work.

EDUF 1019 Human Development and Education

6 credit points. Dr Laurel Bornholt. **Session:** Semester 2. **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:** Semester 1. **Classes:** Consists of an introductory week followed by two 4-week modules, one on Living Things and the other on Matter. Each module consists of two 1-hr lectures and a 2-hr workshop session per wk. An all-day (6hr) compulsory field activity will be held on each day of one weekend (students will be assigned to either excursion day) during the semester, at a date to be announced. **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:** Semester 2. **Classes:** Consists of an introductory week followed by two 4-wk modules, one on The Earth and its Surroundings and the other on Physical Phenomena. Each module consists of two 1-hr lectures and a 2-hr workshop session per wk. An all-day (6 hr) compulsory field activity will be held on each day of one weekend (students will be assigned to either excursion day) during the semester, at a date to be announced. **Prerequisites:** EDUF1016 Science Foundations 1. **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 cur-

riculum 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:** Semester 1. **Prerequisites:** EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points. **Assessment:** Tutorial presentations (oral & written), 2000 word essay, examination 2hrs.

This Unit of Study is the first part of Education II. Its aim is to provide a general introduction to educational psychology. The important issues of the Unit include constructivist and other approaches to learning, critical thinking skills, problem solving, technologically supported learning and motivation. This Unit plays an important role in supporting later teaching and curriculum studies in the Bachelor of Education degree. At the end of this Unit of Study, students will have made substantial progress towards understanding the utility of research in psychology for educators. They will have the capacity to describe learning and teaching activities in terms of their psychological efficacy, especially as it relates to young people. Similarly they will have been introduced to the theory and practice of assessment and evaluation in educational settings, and the impact of assessment on learning and motivation. They will have had training in two Department of Education and Training policies, Good Discipline and Effective Learning, and Student Welfare.

EDUF 2007 Social Perspectives on Education

6 credit points. Dr Nigel Bagnall. **Session:** Semester 2. **Prerequisites:** EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points. **Assessment:** Workshop presentations, 1,000-word literature review, 4,000-word joint research project, examination 1hr.

This Unit of Study is the second part of Education II. Its aim is to provide a general introduction to the social, political and economic contexts of education. The two themes studied in the Unit are: 'Schools and communities', and 'Educational systems, markets and globalisation'. At the end of this Unit of Study, students should have the capacity to discuss the impact of a range of educational practices and policies on communities of students and families. Similarly, 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 (International Students)

EDUF 3000 Sport and Learning in Australian Culture

4 credit points. Dr Richard Light. **Session:** Semester 1, Semester 2. **Prerequisites:** 40 credit points. **Assessment:** One field trip analytic report of 1500w, one final research essay of 3500w, one poster presentation.

AVAILABLE ONLY TO STUDY ABROAD AND OTHER INTERNATIONAL STUDENTS. This unit focuses on the cultural practice and meaning of sport in Australia and the ways in which it shapes a wide range of learning for children and young people. Meaningful educational experiences involve learning that effects a lasting change and involves some degree of personal transformation. This unit is structured around the provision of students' first hand experiences of Australian sport culture ranging from school and community-based sport to commercial sport played at the highest levels. Lectures and the provision of relevant readings are structured around these experiences to help students interpret Australian sport: its culture-specific meanings and practices informed by a socially critical examination of sport. This study constitutes a holistic approach to learning about sport in a setting that is culturally distinctive from that of the backgrounds of most students who will undertake the course. While it will provide understanding of a new cultural context it will also encourage comparative studies of sport in their own societies and

4. Education units of study

an understanding of global forces in sport and their impact on local cultures.

Education 3 (All Education Students)

EDUF 3001 Psychology of Learning and Teaching

4 credit points. Dr Richard Walker. **Session:** Semester 2. **Prerequisites:** 40 Credit Points. **Assessment:** One 2000w essay, tutorial presentation (oral and written). *NB: Department permission required for enrolment. Strongly recommended that students have completed EDUF2005 or EDUF2006 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) Information processing and the design of instruction.

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:** Semester 2a. **Prerequisites:** EDUF1019 Human Development and Education or PSYC1001 & PSYC1002. **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:** Semester 2. **Prerequisites:** 40 Credit Points. **Assessment:** One assignment and one 1500w essay. *NB: Strongly recommended that students have completed EDUF2005 or EDUF2006 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:** S1 Late Int. **Prerequisites:** 40 credit points. **Assessment:** Tutorial presentation, analytic paper, a reflective journal based on the fieldwork experience and completion of 5 - 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. Some funding may be available to assist with overseas field work.

EDUF 3017 Curriculum: A Cultural Construct

4 credit points. Associate Professor Robyn Ewing. **Session:** Semester 2. **Prerequisites:** 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 in schools. 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 for pre-service teachers to consider curriculum and syllabus concepts and processes more generally beyond narrow subject specialisation and syllabus documents.

EDUF 3018 Special Education: Inclusive Schools

6 credit points. A/Prof D Evans. **Session:** Semester 2a. **Prerequisites:** 38 credit points. **Assessment:** This will include a collaborative presentation, an academic paper, and a field study report.

NB: Department permission required for enrolment.

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:

- (a) discuss the reasons for the inclusion of students with disabilities, learning difficulties and behaviour disorders in regular education classrooms;
- (b) Demonstrate an awareness of disability issues, legislation and government policies relating to students with special education needs;
- (c) Demonstrate a familiarity with the support cycle procedures and the support services available to teachers of students with special needs;
- (d) 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 3019 Children and Youth

4 credit points. Professor Geoffrey Sherington. **Session:** Semester 2. **Prerequisites:** 40 credit points. **Assessment:** One 2000w essay (50%), one 1000w paper (25%) and 1 hr examination (25%).

This unit examines the history and sociology of childhood and youth with a concentration on the Australian experience. It will analyse how children and young people have acquired a special status and attracted a special attention not only through such institutions as schools but via other agencies supposedly created for their welfare and well-being. It will pose such questions as how significant are social relations based on age? How do changes in the age structure of society affect understandings of social dependency? Are 'childhood' and 'youth' social constructions related to social class, ethnicity and gender? Are 'refugee' children and children in institutions seen as the 'other'? Has the mass media and globalisation created new concepts of childhood? How universal is the social experience of being young? Do children have rights? Is the idea of childhood dead? What are the policy frameworks within which social workers and educators deal with children and youth?

EDUF 3021 Special Education: Inclusive Schools

4 credit points. Associate Professor David Evans. **Session:** S1 Late Int, Semester 1b, Semester 2a, Semester 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. **Prerequisites:** 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 3022 **Mentoring in the "risk society"**

4 credit points. Dr Lesley Scanlon. **Session:** Semester 1. **Prerequisites:** 40 credit points. **Assessment:** Reflective journal, seminar presentation and participation in a school or university-based mentor programme. Departmental approval required.

NB: Department permission required for enrolment.

Students must mentor in either a university-based or school-based mentor programme. The unit of study will give students the opportunity to engage with the practical and theoretical aspects of mentoring. The practical component is grounded in the theoretical framework of phenomenological sociology through which students will investigate contemporary notions of 'risk society', 'late-modernity', 'transition' and 'identity formation'. An understanding of these notions is critical to the development and implementation of institutional mentor programs.

EDUF 3112 **Sports, Leisure and Youth Policy**

4 credit points. Dr Tim Allender. **Session:** Semester 1. **Prerequisites:** 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 and youth movements as reactions against adolescent sexuality.

EDUF 3114 **Education Programs in Industrial Nations**

4 credit points. Dr Nigel Bagnall. **Session:** Semester 2. **Prerequisites:** 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 3121 **Ethics and Education**

4 credit points. Dr Jim Mackenzie. **Session:** Semester 1. **Prerequisites:** 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 1, 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:** Semester 1. **Prerequisites:** 40 Credit Points. **Assessment:** Exam (1hr), 1500w essay, classwork.

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:** Semester 1. **Prerequisites:** 40 Credit Points. **Assessment:** One major essay (2500w), four short reading guides 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 **Gender and Education**

4 credit points. Professor R. W. Connell. **Session:** Semester 1. **Prerequisites:** 40 Credit Points. **Assessment:** Class presentation (40%), main essay (60%).

NB: Department permission required for enrolment.

This course examines contemporary gender issues in education, with a main focus on school education. Topics include: the position of girls and boys in the Australian education system, and globally; the development of masculinities and femininities; gender theories relevant to education; the history of gender relations in school systems; gender equity policies; the current debate about boys' education; gender issues in teachers' lives. The course will examine up-to-date research, and will also be concerned with practical problems in schools.

Honours: Secondary combined degrees & Human Movement & Health Education

(see EDUP listing for Primary Honours Units)

EDUF 3205 **Beginning Educational Research**

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

NB: Department permission required for enrolment. Credit average across EDUF2006 and EDUF2007; 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 website located at:

<http://www.edfac.usyd.edu.au/courses/undergrad/honours.html>

EDUF 3206 **Methodologies and Educational Research**

4 credit points. Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** Credit or higher in EDUF3205. **Assessment:** Methodology critique, mini-proposal and full proposal.

NB: Department permission required for enrolment.

4. Education units of study

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 website located at: <http://www.edfac.usyd.edu.au/courses/undergrad/honours.html>

EDUF 3207 Educational Psychology Research Seminar 1

4 credit points. Dr Richard Walker. **Session:** Semester 1. **Prerequisites:** Credit average across EDUF2006 and EDUF2007 and a credit average across some other coherent set of 16 credit points. **Corequisites:** EDUF3205 and EDUF3206. **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:** Semester 2. **Prerequisites:** EDUF3207 Educational Psychology Research Seminar 1. **NB:** Department permission required for enrolment.

EDUF 3209 Social Policy Research Seminar 1

4 credit points. TBA. **Session:** Semester 1. **Prerequisites:** Credit average across EDUF2006 and EDUF2007. Credit average across some other coherent set of 16 credit points. **Corequisites:** EDUF3205 and EDUF3206. **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. TBA. **Session:** Semester 2. **Prerequisites:** EDUF3209 Social Policy Research Seminar 1. **NB:** Department permission required for enrolment. **NB:** Only students doing Education Honours from other faculties are eligible to enrol.

EDUF 4042 Secondary Special Course Honours A

4 credit points. Dr Angela Thomas. **Session:** Semester 1. **Prerequisites:** Credit or higher in EDUF3206. **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 eduf4052 and eduf4053. 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 website for detailed information: <http://www.edfac.usyd.edu.au/courses/undergrad/honours.html>

EDUF 4043 Secondary Special Course Honours B

4 credit points. Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** Credit or higher in EDUF3206 and EDUF4042. **NB:** Department permission required for enrolment.

For further information see EDUF4042.

EDUF 4215 Education Honours 1

24 credit points. Dr Richard Walker. **Session:** Semester 1. **Prerequisites:** EDUF3205 and EDUF3206 and EDUF3207 and EDUF3208 and 12 credit points from the following: EDUF3001, EDUF3002, EDUF3003, EDUF3005, EDUF3112, EDUF3114, EDUF3121, EDUF3124, EDUF3132, EDUF3134, EDUF3141, EDUF3021.

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:** Semester 2. **Prerequisites:** EDUF3205 and EDUF3206 and EDUF3207 and EDUF3208 and 12 credit points from the following: EDUF3001, EDUF3002, EDUF3003, EDUF3005, EDUF3112, EDUF3114, EDUF3121, EDUF3124, EDUF3132, EDUF3134, EDUF3141, EDUF3021.

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. Dr Angela Thomas. **Session:** Semester 1. **Prerequisites:** Credit or higher in EDUF3206 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. Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** EDSE5003 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 (BE/BA, BE(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:** Semester 1, Semester 2. **Prerequisites:** 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 EDSE4002, 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. Dr Llian Merritt. **Session:** Semester 1a. **Classes:** 8hrs/wk. **Prerequisites:** 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 also facilitate students' initiation into professional practices.

EDSE 3003 Professional Experience 1

4 credit points. Ms Margaret Freund. **Session:** Semester 1b. **Prerequisites:** 48 Credit Points including 18 Credit Points of Education. **Assessment:** Evaluation will be through completion of a satisfactory practicum, assessed according to criteria set out in the Practicum Report.

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

Year 3 Curriculum Units

EDSE 3037 Teaching Visual Arts 1A

6 credit points. Ms Marianne Hulsbosch. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 18 credit points of Education + 16 senior credit pts of Art History and Theory. **Corequisites:** Practical art course taken at The Tin Sheds. **Assessment:** Reflective essay, practical projects.

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. Ms Marianne Hulsbosch. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 18 credit points of Education & 16 senior credit pts of Art History and Theory. **Corequisites:** Practical art course taken at The Tin Sheds. **Assessment:** Critical review of literature, Reflective essay, Class presentations, Practical projects.

This unit will firstly examine the nature and scope of Visual Art Education within NSW. This unit will critically analyse and evaluate pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the NSW Visual Art syllabus (7-10). Authentic, practical activities will be utilised to contextualise and ground art education processes. Students will be introduced to organising, planning and managing teaching experiences including programming Units of Work for Stages 4 and 5.

EDSE 3005 Teaching Visual Arts 2A

4 credit points. Ms Marianne Hulsbosch. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3037 Teaching Visual Arts 1A & practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at the Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans, In-school observation report.

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 ex-

periential 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. Ms Marianne Hulsbosch. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3037 Teaching Visual Arts IA & EDSE3038 Teaching Visual Arts 1B and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Units of Work with appropriate Lesson Plans, In-school observation report, 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. Ms Carmel Fahey, Dr Tim Allender. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 16 Senior credit pts of History. **Assessment:** Task 1- What is history? - 50%, Task 2- Questioning in history - 50%.

Module A: This module aims to prepare History Curriculum students in the theory and practice of teaching history in the secondary school. The unit draws on current research, thinking and practice in the field of history education, and relates these understandings to the realities and varying contexts of history teachers work and instruction.

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

EDSE 3007 Teaching History 2

4 credit points. Ms Carmel Fahey, Dr Tim Allender. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3006 History Curriculum1 or EDSE3040 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:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 16 Intermediate credit pts of Geography. **Assessment:** Students will develop a unit overview, lesson plans (including one based upon a website), and student assessment program.

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

EDSE 3009 Teaching Geography 2

4 credit points. Dr Kevin Laws. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3008 Geography Curriculum 1 or EDSE3041 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:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3010 Drama Curriculum 1 or EDSE3042 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. TBA. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 18 credit pts of Education + 28 credit pts of either English, Linguistics or Languages. **Assessment:** The assessment tasks will be the completion of a case study into second language acquisition and the development of teaching materials.

This unit of study aims to develop students' understanding of second language acquisition research and its implications for the teaching and learning of second language learners. The unit will link 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. TBA. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3012 TESOL Curriculum 1 or EDSE3043 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:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 48 Credit Points including 18 credit points of Education and 16 Senior credit pts of English or Australian Literature. **Assessment:** (1) notes on a junior English lesson (2) a reflective journal dealing with students' growing understanding of the English teacher's role, as well as two book reviews and a statement about practicum.

Designed to increase awareness of the issues and concerns involved in teaching Secondary English within the perspective of the K-12 continuum, this unit of study will seek to provide a thorough grounding in the syllabus documents, content and materials used in Year 7 - 10 English classes. The unit will facilitate the development of effective, creative professionals who are grounded in a knowledge of contemporary theory relevant to teaching and learning English, and proficient in a range and variety of teaching strategies appropriate to the class levels and individual needs encountered in secondary English classes.

EDSE 3015 Teaching English 2

4 credit points. Dr Dennis Robinson, Dr Jacqueline Manuel. **Session:** Semester 2. **Prerequisites:** EDSE3044 Teaching English 1 or EDSE3014 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.

4. Education units of study

EDSE 3045 Teaching Mathematics 1A

6 credit points. Dr Judy Anderson. **Session:** Semester 1b. **Classes:** 3hrs/wk. **Prerequisites:** 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:** Semester 1b. **Classes:** 3hrs/wk. **Prerequisites:** 6 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:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** EDSE3045 Teaching Mathematics 1A or EDSE3016 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:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** EDSE3045 Teaching Mathematics 1A or EDSE3016 Mathematics Curriculum 1A and EDSE3046 Teaching Mathematics 1B or EDSE3017 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 Languages 1A

6 credit points. Dr Lesley Harbon. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 18 credit pts of Education + 28 credit pts of languages. **Assessment:** Assessment will be based on one essay, lesson planning and reflection via written entries on an electronic Discussion Board.

This unit of study is the initial Languages Curriculum (method) course unit for prospective secondary languages other than English teachers who are in the third year of the combined BEd/BA degree program. The unit is designed to introduce pre-service languages teachers to key concepts and understandings of languages education and build their awareness and skills in preparation for NSW secondary classrooms during School Experience 1. Students will gain broad understandings about the nature and scope of teaching of languages other than English education in the NSW context, about traditional and more contemporary and innovative classroom practices and particular aspects of policy and Board of Studies documentation. Students begin a "journey" of reflection on their knowledge and practice of languages education.

EDSE 3048 Teaching Languages 1B

6 credit points. Dr Lesley Harbon. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 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 docu-

mentation. Students continue a "journey" of reflection on languages education.

EDSE 3022 Teaching Languages 2A

4 credit points. Dr Lesley Harbon. **Session:** Semester 2. **Prerequisites:** EDSE3020 LOTE Curriculum 1A or EDSE3047 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 Languages 2B

4 credit points. Dr Lesley Harbon. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3047 Teaching LOTE 1A or EDSE3020 LOTE Curriculum 1A & EDSE3048 Teaching LOTE 1B or EDSE3021 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. Mr Tony Sperring, Mr Luis Esteban. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 18 credit points of Education + 28 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 wholistically combine sections of the syllabus in a realistic context. Students will begin to develop their own approach to deconstruction of the syllabus & reconstruction into activities, lessons, & projects.

EDSE 3025 Teaching Computer Studies 2

4 credit points. Mr Tony Sperring, Mr Luis Esteban. **Session:** Semester 2. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3049 Teaching Computer Studies 1 or EDSE3024 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. Mr Mike Horsley. **Session:** Semester 1b. **Classes:** 2hrs/wk. **Prerequisites:** 48 credit pts including 18 credit pts of Education and 16 Intermediate credit pts of Economics or Commerce or Government or Political Economy or Work. **Assessment:** Students will develop a Commerce teachers tool kit incorporating lesson plans, programs, teaching resources and a range of commercial teaching materials.

Module A: will prepare students to teach Commerce in stages 4 and 5 and Business Studies in stage 6. The modules in the unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of commercial education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students achievement of Commerce and Business Studies outcomes. Module B: This module presents a common core for all history and social education students covering generic HSIE teaching skills and understandings for incor-

porating cross curriculum content into all the subjects in the HSIE key learning area.

EDSE 3029 Teaching Commerce/Economics 2

4 credit points. Mr Mike Horsley, Dr Llian Merritt. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3028 Commerce/Economics Curriculum 1 or EDSE3050 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. Mr Tony Sperring. **Session:** Semester 1b. **Classes:** 5hrs/wk. **Prerequisites:** 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 <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE 3031 Teaching Science 2 (Core)

4 credit points. Mr Tony Sperring. **Session:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** EDSE3051 Teaching Science 1 (Core) or EDSE3030 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 <http://alex.edfac.usyd.edu.au/methods/science/>

EDSE 3032 Teaching Science Elective (Chemistry)

4 credit points. Mr Tony Sperring. **Session:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** 12 credit points of Chemistry and 20 Credit points of Education. **Assessment:** Assessment will be based on two assignments.

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Science Curriculum 1 (Core) and Science Curriculum 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Chemistry. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/doubledegree.htm>.

EDSE 3053 Teaching Science Elective (Senior Sci)

6 credit points. Mr Mike Gunnourie. **Session:** Semester 2, Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 24 credit points in two Science areas: either Chemistry, Physics, Biology or Geology; and 18 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core). **Assessment:** Assessment will be based on two assignments. **NB:** Department permission required for enrolment.

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Senior Science, a multidisciplinary science course for senior school students. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

EDSE 3054 Teaching Science Elective (Biology)

6 credit points. Mr Ian Stevens. **Session:** Semester 1b. **Classes:** 4hrs/wk. **Prerequisites:** 12 credit points Biology and 18 credit points of Education. **Corequisites:** EDSE3051 Teaching Science 1 (Core). **Assessment:** Assessment will be based on two assignments. This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Biology. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

Year 4 Professional Studies (Compulsory Units)

EDSE 4003 Craft Knowledge and Prof Practices 2

8 credit points. Dr Llian Merritt. **Session:** Semester 2. **Classes:** 8hrs/wk. **Prerequisites:** EDSE3002 Craft Knowledge and Professional Practices 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Assessment:** 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 4036 Professional Experience 2

2 credit points. Dr Llian Merritt. **Session:** Semester 2. **Classes:** 25 days, in-school experience. **Prerequisites:** 48 credit points including 20 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Assessment:** Pass/Fail.

Professional experience is a core part of the professional preparation of teachers. It provides students with opportunities to develop their teaching skills and professional understandings. It is a pivotal opportunity for beginning teachers to experiment and to implement a wide range of strategies and pedagogy that they have acquired during their university-based courses. This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession. This unit of study is the second school experience in the program. In this unit of study, students have a more extended period of time in a school, and begin to assume a greater awareness of the diversity of students in their classes. They will be expected to be more aware of the community beyond the school.

EDSE 4037 Professional Experience 3

2 credit points. Dr Llian Merritt. **Session:** Semester 2. **Classes:** 20 days, in-school experience. **Prerequisites:** 96 credit points including 52 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Corequisites:** EDSE4036 Professional Experience 2 and EDSE4038 Curriculum 4. **Assessment:** Pass/Fail.

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

EDSE 4038 Curriculum 4: Information Technology

8 credit points. Mr Tony Sperring and Mr Mike Horsley. **Session:** Semester 2. **Classes:** 48 hours over 12 weeks. **Prerequisites:** 48 Credit points including 20 credit points of Education & two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. **Corequisites:** EDSE4003, 4036 and 4037. **Assessment:** Assessment will be based on an IT project in the student's major teaching method (curriculum) area (or in a cross-curriculum project relevant to their two teaching methods).

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

4. Education units of study

teaching of particular curriculum area(s). Each student is to complete a project which demonstrates their understanding of, and competence, in the application of ICT to teaching and learning in their curriculum area(s) and apply it in their technology professional experience.

Year 4 Curriculum Units

EDSE 4021 Teaching Visual Arts 3A

6 credit points. Ms Marianne Hulsbosch. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3037 Teaching Visual Arts 1A and EDSE3005 Teaching Visual Arts 2A. **Assessment:** Individual program of learning for student HSC, Visual Art Body of Work.

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

EDSE 4022 Teaching Visual Arts 3B

6 credit points. Ms Marianne Hulsbosch. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3005 Teaching Visual Arts 2A & EDSE3039 Teaching Visual Arts 2B and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Individual program of learning for student HSC, Senior Visual Art program focusing on ITC in Art, ISE reflective report, Visual Art Body of Work.

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

EDSE 4023 Teaching History 3

6 credit points. Ms Carmel Fahey, Dr Tim Allender. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3040 Teaching History 1 & EDSE3007 Teaching History 2. **Assessment:** Assessment will be based on a class presentation, planning unit outlines and the mapping of appropriate teaching and assessment strategies.

This unit aims to prepare History Curriculum students to teach the skills and understandings necessary to teach current Board of Studies senior history syllabuses. The course also explores the realities of teaching students at this level, and the various ways higher-order skills may be developed in response to the demands of the new Extension History syllabus.

EDSE 4024 Teaching Geography 3

6 credit points. Dr Kevin Laws. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3041 Teaching Geography 1 & EDSE3009 Teaching Geography 2. **Assessment:** Students will plan a unit of work, develop a student handout related to the Senior Geography Project, and plan a field trip, and develop an appropriate program for assessing student achievement of syllabus outcomes.

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

EDSE 4025 Teaching Drama 3

6 credit points. Dr J Hughes, Dr M Anderson. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3042 Teaching Drama 1 & EDSE3011 Teaching Drama 2 + 16 credit pts of Performance Studies. **Assessment:** Assessment is based on the preparation and analysis of their own 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 4026 Teaching TESOL 3

6 credit points. TBA. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3043 Teaching TESOL 1 & EDSE3013 Teaching TESOL 2. **Assessment:** Students will choose two assessment tasks from a range that includes fieldwork study, library research and essays and materials development and class presentations.

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

EDSE 4027 Teaching English 3

6 credit points. Dr Dennis Robinson, Dr Jacqueline Manuel. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3044 Teaching English 1 & EDSE3015 Teaching English 2. **Assessment:** Assessment will take the form of two pieces of work relating to advanced areas of study of the student's own choice.

Students will be offered the opportunity to study two aspects of English teaching and learning in some depth. Options offered may include writing in secondary English, Media in secondary English, Poetry in secondary English and Adolescent Literature.

EDSE 4028 Teaching Mathematics 3A

6 credit points. Dr Judy Anderson. **Session:** Semester 1a. **Classes:** 3hrs/wk. **Prerequisites:** EDSE3045 Teaching Mathematics 1A & EDSE3018 Teaching Mathematics 2A. **Assessment:** 1. Researching & presenting a particular aspect of research in mathematics education that relates to the teaching of General Maths for HSC. 2. Researching & writing a paper.

This unit concentrates on the new General Mathematics course which attracts half of the students in Years 11 and 12 and was first examined in the 2001 HSC. The pedagogy for this unit requires teachers to be confident in using graphic calculators and spreadsheets where required. Outcomes Based Assessment is examined in relation to its use in the new HSC. Particular aspects of mathematics education research are explored and the implications of these for teachers in classrooms is considered.

EDSE 4029 Teaching Mathematics 3B

6 credit points. Dr Judy Anderson. **Session:** Semester 1a. **Classes:** 3hrs/wk. **Prerequisites:** EDSE4028 Teaching Mathematics 3A and EDSE3019 Teaching Mathematics 2B. **Assessment:** 1. Researching & presenting a topic from a calculus based course that includes teaching ideas. 2. Interviewing students & teachers and writing a brief report on the findings in relation to the literature.

This unit of study focuses on the role of the mathematics teacher in the senior classroom. It is intended to provide the student with techniques for constructing rich learning environments for students in the senior years of high school in preparation for the HSC. Assessment strategies are examined closely as part of the learning experience of students, together with Board of Studies requirements for measuring and recording formative assessment tasks. Technology as a tool for teaching senior mathematics is integrated into the unit.

EDSE 4030 Teaching Languages 3A

6 credit points. Dr Lesley Harbon. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3022 Teaching LOTE 2A. **Assessment:** Assessment will be based on one assignment, a unit programme and reflection via written entries on an electronic Discussion Board.

This unit is designed to build on curriculum unit EDSE3022 Teaching LOTE 2A, to prepare pre-service teachers for, and guide them through, School Experience 2, in preparation for later Internships. Students examine wider related issues for languages education, honing skills, understandings and competencies for future employment and preparing for lifelong learning through continued participation in professional development activities. Students continue on their "journey" of reflection on languages education and prepare for a lifelong professional development in languages education.

EDSE 4031 Teaching Languages 3B

6 credit points. Dr Lesley Harbon. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3022 Teaching LOTE 2A & EDSE3023 Teaching LOTE 2B. **Assessment:** Assessment will be based on written assignment, lesson planning and reflection via written entries on an electronic Discussion Board.

This unit is designed for pre-service language teachers continuing with their curriculum method study in a second target language. The unit will continue to build pre-service language teachers' awareness, skills and understandings in languages education, and introduce them to various aspects of research within the languages education arena. Within the specific strand, pre-service teachers will explore assessment strategies with regard to NSW Board of Studies documentation vis-a-vis their second language.

EDSE 4032 Teaching Computer Studies 3

6 credit points. Mr Tony Sperring, Mr Luis Esteban. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3049 Teaching Computer Studies 1 & EDSE3025 Teaching Computer Studies 2. **Assessment:** Class presentations, report, examinations, research, program design.

The Information Technology Curriculum Framework, National Training Framework, and AQF certification procedures will be

critically examined in the context of VET -Information Technology courses in schools. The notion of key competencies and criterion referenced evaluation and assessment will receive detailed attention. Sources of information including professional associations will be delineated and the nature and scope of the ICT industry will also be explored.

The second major focus lies in developing skills in the design of learning environments for the VET classroom. Significant time will be given to developing team or group based approaches to learning, the workplace study, workplace assessor training, writing effective and efficient programs and units of study, and developing valid and reliable assessment tasks based on the assessment guidelines in the National Information Training Package.

EDSE 4033 Teaching Commerce/Economics 3

6 credit points. Mr Mike Horsley, Dr Llian Merritt. **Session:** Semester 1a. **Classes:** 2hrs/wk. **Prerequisites:** EDSE3050 Teaching Commerce/Economics 1 & EDSE3029 Teaching Commerce/Economics 2. **Assessment:** Students will develop a Globalisation Teaching program for Economics and Business Studies and a Legal Studies Teaching Folder including a program, teaching resources, standard referenced assessment item and a constitution lesson plan.

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

EDSE 4034 Teaching Science 3 (Core)

6 credit points. Mr Tony Sperring. **Session:** Semester 1a. **Classes:** 4hrs/wk. **Prerequisites:** EDSE3051 Teaching Science 1 (Core) & EDSE3031 Teaching Science 2 (Core). **Assessment:** Assessment will be based on an essay and a class presentation.

The unit is designed to enable students to investigate current research in the nature of children's learning in science, contemporary science curricula, the teaching of science in the secondary school, and the relevance and impact of across-curriculum perspectives on the nature and implementation of science curricula. Each student is to investigate and report on a particular issue in science education, teaching and learning. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/methods/science>

EDSE 4035 Teaching Science 4 (Sci Hist & Phil)

6 credit points. Mr Tony Sperring. **Session:** Semester 1. **Classes:** 3hrs/wk. **Prerequisites:** EDSE3031 Science Curriculum 2 (Core). **Assessment:** Assessment will be based on an essay and a seminar presentation.

This unit of study is a double method course unit. An understanding of the nature of science ought to inform beliefs, practices and policies related to science and technology education in school (and beyond). Teachers of science need to develop an awareness of the pitfalls associated with uninformed views about the history and philosophy of science, particularly as they are now required to focus on both the history of science and the nature and practice of science in the development of teaching programs for the new school science syllabuses in NSW and in other systems' syllabuses. In this unit of study students will examine contemporary from the history, philosophy and sociology of science and their relevance to school science teaching and learning, and science curriculum design and implementation. The course outline for this unit will be placed on the internet at <http://alex.edfac.usyd.edu.au/Methods/Science/>

Year 5 Professional Studies (Compulsory Units)

EDSE 5007 Internship

8 credit points. Dr Llian Merritt. **Session:** Semester 2b, Semester 1. **Prerequisites:** 96 credit points including 52 of Education and EDSE3003 Professional Experience 1, EDSE4004 Professional Experience 2 and EDSE4005 Internship I.

NB: Department permission required for enrolment.

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. TBA. **Session:** Semester 2. **Classes:** 5hrs/wk. **Prerequisites:** 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English. **Assessment:** Completion of a case study into second language acquisition and the development of teaching materials. Students will choose 2 assessment tasks

from a range that includes fieldwork study, library research and essays and materials development and class presentations.

This unit of study aims to develop students' understanding of second language acquisition research and its implications for the teaching and learning of second language learners. The unit will link fieldwork with an exploration of current language education research. The unit has relevance for teaching in Australia and overseas and focuses on the development of communicative competence. The unit is closely connected with EDSE5002 TESOL Professional Experience.

EDSE 5002 TESOL Professional Experience

4 credit points. TBA. **Session:** Semester 2. **Prerequisites:** 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. Dr Angela Thomas. **Session:** Semester 1. **Prerequisites:** Credit or higher in EDUF3206 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. Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** EDSE5003 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:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** 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.

4. Education units of study

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:** Semester 1, Semester 2. **Prerequisites:** 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 EDSE4002, 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. Dr Susan Colmar. **Session:** Semester 1. **Prerequisites:** 48 credit points including 12 credit points of Education and PSYC1001 & PSYC1002. **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. Dr Llian Merritt. **Session:** Semester 2. **Prerequisites:** 48 credit points including 18 credit points of Education and EDSP3002 Teaching and Learning (Psychology). **Assessment:** Evaluation will be through completion of a satisfactory report.

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

EDSP 3002 Teaching and Learning (Psychology)

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

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

Year 4 Professional Studies (Compulsory Units)

EDSP 4001 Psychological and Educational Assessment

6 credit points. Dr Susan Colmar. **Session:** Semester 1. **Classes:** 1 lecture x 2 hours x 12 weeks; 1 skills based workshop tutorial x 3 hours x 12 weeks. **Prerequisites:**

Completed major in Psychology with a Credit average, EDSP2001,3001,3002. **Assessment:** Two protocols and reports (30%); Major essay (30%); Summative exam (40%).

This unit introduces the student to the principles of assessing children and the topic of intelligence. Various models of intelligence are studied within an historical framework, including the development of instruments for measuring intelligence. The relationship between models of intelligence and cognitive assessment techniques is discussed, with particular emphasis placed on the critical evaluation of commonly used individually administered intelligence tests. The difference between testing and assessment is discussed, and the multiplicity of factors contributing to successful assessment is emphasised. The principles of standardised testing and the application of competent, ethical, professional use of intelligence tests are taught using current tools such as the Wechsler Scales and the Stanford Binet (5th Ed). The psychometric properties of tests are examined. The appropriateness of the assessment of specific groups such as young, developmentally young and culturally different children is critically evaluated. Supervised practice of key tests of intelligence is organised in small group workshop sessions. Competency is expected in the administration and scoring of key IQ tests and in the writing of assessable reports.

EDSP 4002 Behaviour Assessment and Interventions

6 credit points. Dr Susan Colmar. **Session:** Semester 2. **Classes:** 1 lecture x 2 hours x 12 weeks; 1 skills based workshop tutorial x 3 hours x 12 weeks. **Prerequisites:** Completed major in Psychology with a Credit average; EDSP2001,3001,3002 & 4001. **Assessment:** Seminar presentation and paper (60%); Case study (40%).

The assessment of behaviour problems, both externalising and internalising, is introduced as it applies to children and young people in educational and home settings. Links between the theories, description and classification of problem behaviour and DET practice in NSW will be highlighted. Appropriate strategies for the assessment of behaviour and mental health problems, programming for behaviour

management and mental health support strategies, and the evaluation of intervention programs are discussed as they apply to the educational and other environments in which School Counsellors work. Alternative settings for individuals with behaviour and mental health difficulties are critically evaluated and studied.

EDSP 4003 Counselling Practicum 2

2 credit points. Dr Susan Colmar. **Session:** Semester 2. **Classes:** 25 days school counselling experience in NSW DET schools. **Prerequisites:** Completed major in Psychology with a Credit average; EDSP2001,3001,3002 & 4001. **Corequisites:** EDSP4004 Teaching Practicum 2. **Assessment:** Students will continue to develop a counselling portfolio covering more final performance outcomes due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. The grading will be on a Satisfactory or Unsatisfactory basis.

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

EDSP 4004 Teaching Practicum 2

4 credit points. Dr Llian Merritt. **Session:** Semester 2. **Classes:** 20 days, in-school experience. **Prerequisites:** 48 credit points including 18 credit points of Education, EDSP3001 & One of the following: EDSE4006, 4007, 4009, 4010, 4011, 4012, 4014, 4019. **Corequisites:** EDSE4003 Counselling Practicum 2. **Assessment:** Pass/Fail.

Professional experience is a core part of the professional preparation of teachers. It provides students with opportunities to develop their teaching skills and professional understandings. It is a pivotal opportunity for beginning teachers to experiment and to implement a wide range of strategies and pedagogy that they have acquired during their university-based courses. This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession. This unit of study is the second school experience in the program. In this unit of study, students have a more extended period of time in a school, and begin to assume a greater awareness of the diversity of students in their classes. They will be expected to be more aware of the community beyond the school.

BEd (Secondary: Human Movement and Health Education)

Year 1 (New students from 2005)

EDUH 1001 Foundations of PDHPE

6 credit points. Dr Steve Georgakis. **Session:** Semester 1. **Assessment:** 2000w Essay, 2000w Seminar and 2 hour Examination.

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

EDUH 1002 Motor Skill Acquisition

3 credit points. Dr Tracy Rockwell. **Session:** Semester 2. **Assessment:** Examination (2 hours), assignment (1000 words).

This unit of study is based on recent research and theory in learning and performance in the psychomotor domain, with particular application to the acquisition of motor skills. A central theme will assess the effect on the individual of internal (learning theories), external (practice conditions and techniques), and individual differences (abilities, skills, capacities).

EDUH 1003 Practical Study in Physical Education 1

3 credit points. Meg Pickup. **Session:** Semester 2. **Assessment:** Dance: Peer Teaching (2000 words) 50%, Practical skills checklist 30%, Fundamental movement skills: assignment (1000 words) 20%.

Human movement is an integral part of the PDHPE key learning area. This unit of study is the first of five that will explore physical education as part of the PDHPE key learning area to reinforce the links between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport in one aspect will drive the direction of these units. In this unit students will have the opportunity to develop their physical and teaching skills in dance and FMS (fundamental movement skills).

EDUH 1016 Human Bioscience

6 credit points. Dr Sue Franklin. **Session:** Semester 2. **Classes:** 2 lectures, 1 session independent study, 3 prac/week. **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 mech-

anisms. 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:** Semester 1. **Classes:** two 1hr lectures, one 2hr tutorial, one 2hr practical. **Assumed Knowledge:** No assumed knowledge of Physics. **Assessment:** laboratory (20%), report (10%), assignments (5%), progressive test (5%), final exam (60%).

This unit of study at Junior level is designed specifically for BEd(Secondary)(Human Movement and Health Education) students to provide basic knowledge and understanding of concepts in mechanics in preparation for EDUF 3013 (Biomechanics). It is presented with a minimum level of mathematics and the mechanics concepts discussed are illustrated with examples from sporting activities. This unit of study is offered by staff in the School of Physics, Faculty of Science.

Textbooks

Recommended references:—

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

Griffing, *The Dynamics of Sports* 4th Edn, 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 2001 Applied Anatomy and Physiology

4 credit points. Dr Tracy Rockwell. **Session:** Semester 2. **Prerequisites:** EDUH1016 Human Bioscience. **Assessment:** Midsemester (40%) and final (40%) examinations, seminar presentation (20%).

This unit of study will enable students to apply the knowledge and understandings of anatomy and physiology, one of the biophysical foundations of human movement and health education, covered in the unit EDUH1016 Human Bioscience to the PDHPE key learning area. A sound understanding of anatomy and physiology enables the comprehension of humans as living, functioning, homeostatic organisms as well as the intricate processes on which the survival of humans depend and its application to a variety of situations related to human movement and health education.

EDUH 2004 School Experience 1

2 credit points. Meg Pickup. **Session:** Semester 2. **Prerequisites:** 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 EDUH2007 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:** Semester 2. **Prerequisites:** 36 credit points including 12 credit points from Education. **Assessment:** Seminar presentation (45%), Unit outline and lesson plans (35%), Essay (20%).

This unit of study will be the first of four that will examine health issues relevant to today's society. It will provide both the content and processes for teaching Health Education as part of the PDHPE key learning area. This unit will address the areas of social determinants of health, health and lifestyle, disease processes, nutrition, and safety.

EDUH 2006 Practical Studies in PE 2

6 credit points. Dr Steve Georgakis. **Session:** Semester 1. **Prerequisites:** 36 credit points including EDUH1003. **Assessment:** Soccer: Skills Test; Exam; Game Sense: Peer Teaching; Gymnastics: Group Work; Unit Outline.

Movement is an integral part of the PDHPE key learning area. This unit of study is the second of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which

competitive team sport is one aspect will drive the direction of these units. Where appropriate a games sense approach to the development of physical skills will be utilised. In this unit students will have the opportunity to develop their physical and teaching skills in Gymnastics; and Hockey/Soccer and the game sense approach to teaching games and sport.

EDUH 2007 Teaching and Learning in PDHPE

4 credit points. Meg Pickup. **Session:** Semester 1. **Prerequisites:** 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. The roles of policies such as child protection, literacy, Aboriginal and NESB as well as practices such as behaviour will be addressed. Students will develop skill in unit and lesson planning. This unit provides the theoretical background for the unit of study EDUH2004 School Experience 1 in Semester 2.

Year 3 Curriculum & Professional Studies (Students from 2003)

EDUH 3001 Practical Studies in PE 3

4 credit points. Dr Tracy Rockwell. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2006. **Assessment:** Dance: Peer teaching, (50%), Aquatics: Unit outline; aquatic accreditation; aquatic skills (50%).

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

EDUH 3002 Practical Studies in PE 4

4 credit points. Meg Pickup. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH2006 and EDUH3001. **Assessment:** Track and Field: Peer teaching, ICT and written assignment (50%), Gymnastics: Peer teaching and lesson plan (50%).

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

EDUH 3003 School Experience II

4 credit points. Meg Pickup. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH2004 School Experience 1. **Assessment:** Satisfactory teaching report, satisfactory participation in whole school activities and continued development of portfolio of the policies and procedures of the school. This unit of study is graded PASS/FAIL.

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

EDUH 3004 Psychosocial Health Issues

4 credit points. Dr Jenny O'Dea. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2005 Determinants of Health. **Assessment:** Seminar presentation (50%); Essay (50%).

This unit is the second of four that will examine health issues relevant to today's society. It will provide both the content and process of Health Education as part of the PDHPE key learning area. This unit will address the areas of personal awareness, interpersonal skills, lifespan development, mental health and social health.

EDUH 3005 Adolescent Health Issues

4 credit points. TBA. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH3004 Psychosocial Health Issues. **Assessment:** Seminar presentation OR unit outline and lesson plans (50%); Exam (50%).

This unit is the third of four that will examine health issues relevant to today's society. It will provide both the content and process of Health Education as part of the PDHPE key learning area. This unit will address the areas of adolescent health, drug use, sexuality and resilience, connectedness and protective behaviours.

4. Education units of study

EDUH 3006 Teaching and Learning in PDHPE 2

4 credit points. Meg Pickup. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2007 Teaching and Learning in PDHPE. **Assessment:** Seminar presentation (45%); Programming in PDHPE (30%); Essay (25%).

This unit builds on the introduction to fundamental teaching skills and curriculum design in the PDHPE Key Learning Area (KLA) with particular reference to primary school practices covered in EDUH2007 Teaching and Learning in PDHPE. Students will develop skills to implement the Year 7-10 PDHPE syllabus as part of the curriculum design process, to establish a supportive learning environment, to develop and deliver well planned units of study and lessons. They will also develop an understanding of students as learners and implementation of the quality teaching pedagogy to provide quality teaching and learning experiences for students. It is equally important to understand that the role of teachers encompasses more than teaching the curriculum. Teachers have an important role to play in ensuring the health and welfare of students by providing a supportive and caring environment. This is effectively delivered within a health promoting school. Issues related to the role teachers of PDHPE have regarding literacy, behaviour management, the implementation of ICT will also be addressed.

EDUH 3014 Assessment and Evaluation in PDHPE

4 credit points. TBA. **Session:** Semester 2. **Prerequisites:** 60 credit points including EDUH2007 Teaching and Learning in PDHPE. **Assessment:** Assessment will be in the form of a seminar presentation an assignment and an exam.

This unit is designed to provide students with the knowledge, understanding and skills to effectively conduct assessment and evaluation as integral parts of PDHPE and sport. There have been significant changes to assessment and evaluation requirements in secondary schools in NSW. Teachers are required to be more accountable for the learning outcomes of students. Practical application of assessment for learning and of learning and evaluation as they relate to the PDHPE key learning area in high schools will be examined as will the construction and implementation of both theory and practical assessment tasks.

EDUH 3023 Exercise Physiology

4 credit points. Dr Donna O'Connor. **Session:** Semester 1. **Prerequisites:** 60 credit points including EDUH2001 Applied Anatomy & Physiology. **Assessment:** Assessment will be in the form of a 1.5-hour mid semester exam, a 1.5-hour semester exam and practical laboratories and workbook.

This 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 respiratory and circulatory systems under exercise, effect of altitude, thermoregulation and hydration, and fitness and training schedules for selected groups.

Year 4 Curriculum & Professional Studies (Continuing Students)

EDUH 4001 Contemporary Studies in PDHPE

4 credit points. Meg Pickup. **Session:** Semester 2. **Prerequisites:** EDUH2015 Teaching PDHPE 1 and EDUH3015 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 4013 Adapted PDHPE

4 credit points. Meg Pickup. **Session:** Semester 1. **Prerequisites:** EDUF3021 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 EDUF3021 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. TBA. **Session:** Semester 1. **Prerequisites:** EDUH2015 and EDUH2023 and either EDUH2001 or EDUH2013. **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:** Semester 1. **Prerequisites:** EDUH2015 and EDUH3015. **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. TBA. **Session:** Summer, Semester 1. **Prerequisites:** EDUH2025 and EDUH3024. **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:** Semester 1. **Prerequisites:** EDUH3016. **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 board 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 4023 Sports Medicine

4 credit points. TBA. **Session:** Semester 2. **Prerequisites:** EDUH2013 or EDUH2001 and EDUH3023 and EDUH3013. **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. TBA. **Session:** Semester 2. **Prerequisites:** EDUH2025 and EDUH3024 and EDUH4016. **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:** Semester 2. **Prerequisites:** EDUH2014 or EDUH2002 and EDUH2024 or EDUH2003 and EDUH3025. **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:** Semester 2. **Prerequisites:** EDUH3026. **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:** Semester 2. **Classes:** 2hr/wk. **Prerequisites:** 40 credit points of professional studies in HMHE. **Assessment:** Seminar paper and individual research report.

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4030 Coaching Concepts

4 credit points. Dr Tracy Rockwell. **Session:** Semester 1, Semester 2. **Classes:** 2hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** TBA.

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4032 Empirical Studies in Exercise Physiology

4 credit points. Dr Donna O'Connor. **Session:** Semester 1, Semester 2. **Classes:** 2hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** TBA.

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4034 Recreation Leadership and Management

4 credit points. Dr Tracy Rockwell. **Session:** Semester 1. **Classes:** 2hr/wk. **Prerequisites:** 40 credit points of professional studies in HMHE. **Assessment:** TBA.

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4036 Cross Cultural Aspects of PE & Sport

4 credit points. Dr Steve Georgakis. **Session:** Semester 2. **Classes:** 2hr/wk. **Prerequisites:** 40 credit points of professional studies in HMHE. **Assessment:** TBA.

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4040 Issues in Nutrition Education

4 credit points. Dr Jenny O'Dea. **Session:** Semester 2. **Classes:** 2hrs/wk. **Prerequisites:** 40 credit points of professional studies in HMHE. **Assessment:** TBA.

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4043 Human Movement and Health Ed Ind Study

4 credit points. Meg Pickup. **Session:** Semester 1, Semester 2. **Classes:** 2hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** 500 word proposal, 2500 word report, 1000 word journal (assessed as pass/fail).

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4045 Human Movement & Health Ed Spec Project

4 credit points. Meg Pickup. **Session:** Semester 1, Semester 2. **Classes:** 2hr/wk. **Prerequisites:** 60 credit points of professional studies in HMHE. **Assessment:** 500 word proposal, 2500 word report, 1000 word journal (assessed as pass/fail).

NB: Department permission required for enrolment.

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. Departmental approval required.

EDUH 4046 Fitness Training: Theory and Practice

4 credit points. Dr Donna O'Connor. **Session:** Semester 1. **Classes:** 2hrs/wk. **Prerequisites:** 40 credit points of professional studies in HMHE. **Assessment:** TBA.

NB: Department permission required for enrolment.

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. Departmental approval required.

BEd (Secondary: Design and Technology)

Year 2 Professional Studies (Compulsory Units)

EDDT 2007 Teaching and Learning 1 (D & T)

8 credit points. TBA. **Session:** Semester 1. **Classes:** 3hrs/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:** Semester 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:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005. **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. TBA. **Session:** Semester 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

4. Education units of study

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

EDDT 2010 Design Fundamentals 1B

10 credit points. TBA. **Session:** Semester 2. **Classes:** 10hrs/wk Enmore Design Centre of TAFE. **Prerequisites:** EDDT2009. **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:** Semester 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:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2001. **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 need to consider social and ethical issues when designing systems.

EDDT 2003 Food Science 1

2 credit points. Mr Ian Stevens. **Session:** Semester 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:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2003. **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 pre-requisite for Food Science 2

Year 3 Professional Studies (Compulsory Units)

EDDT 3001 Design Fundamentals 2A

12 credit points. Mr Nigel Goodwin. **Session:** Semester 1. **Classes:** 10hrs/wk. Enmore Design Centre of TAFE. **Prerequisites:** EDDT2009 & EDDT2010.

NB: Classes follow TAFE enrolment pattern

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

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

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

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EDDT 3002 Design Fundamentals 2B

12 credit points. Mr Nigel Goodwin. **Session:** Semester 2. **Classes:** 10hrs/wk. Enmore Design Centre of TAFE. **Prerequisites:** EDDT2009 & EDDT2010 & EDDT3001.

NB: Classes follow TAFE enrolment pattern

For further information see EDDT3001

EDDT 3003 Teaching Technology 2A

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

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

EDDT 3004 Teaching Technology 2B

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

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

EDDT 3005 Professional Experience A

4 credit points. Mr Nigel Goodwin/Cooperating teachers in schools. **Session:** Semester 2. **Assessment:** Successful completion of teaching.

During their professional experience, students will involve themselves in the planning and implementing of appropriate classroom activities. They will link lessons sequentially and critically reflect on both their own teaching and children's responses. Lessons will reflect consideration of children's learning needs

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

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

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

EDDT 4003 Teaching Technology 3A

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

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

EDDT 4004 Teaching Technology 3B

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

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

EDDT 4013 Professional Experience B

6 credit points. Nigel Goodwin. **Session:** Semester 2. **Prerequisites:** EDDT3005 Professional Experience A. **Assessment:** Successful completion of teaching.

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

EDDT 4014 Graduating Design Project

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

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

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

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

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

EDDT 4006 Food Science 4

3 credit points. Ian Stevens. **Session:** Semester 2. **Classes:** 3hrs/wk. **Prerequisites:** EDDT2003 Food Science 1, EDDT2004 Food Science 2 and EDDT4005 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:** Semester 1. **Classes:** 2hrs/wk. **Assessment:** Practical tasks, group work, written examination.

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

EDDT 4008 Software Design & Development 2

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

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

EDDT 4009 Teaching Tech (VET - IT) 1

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

This unit seeks to develop awareness of the nature and focus of VET (Information Technology) courses in schools. The Information Technology Curriculum framework, National Training Framework, and AQF certification procedures will be critically examined. The notion of key competencies and criterion referenced evaluation and assessment will receive detailed attention. Sources of information including professional associations will be delineated and the nature and scope of the ICT industry will also be explored.

EDDT 4010 Teaching Tech (VET - IT) 2

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

This course extends and develops the materials studied in Teaching Technology -VET (Information Technology) 1 by focussing on the design of learning environments for the VET classroom. Significant time will be given to developing team or group based approaches to learning, the workplace study, writing effective and efficient programs and units of study, and developing valid and reliable 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:** Semester 1. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 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

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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:** Semester 2. **Classes:** 1hr/wk. **Prerequisites:** EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 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 2005)

EDUP 1001 Creative Arts 1

6 credit points. Associate Professor Robyn Ewing, Dr. Robyn Gibson and Dr. Michael Anderson. **Session:** Semester 2. **Assessment:** Mediated Reflection, Two music lesson plans & VAPD/Portfolio.

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

EDUP 1002 Teaching and Learning: Literacy (Intro)

6 credit points. Associate Professor Robyn Ewing and Margaret Freund. **Session:** Semester 1. **Assessment:** Response to readings (20%) and field study (80%).

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

Year 2 Curriculum & Professional Studies (Students from 2003)

EDUP 2002 English 2: Writing as Social Practice

4 credit points. Dr Angela Thomas. **Session:** Semester 1. **Prerequisites:** EDUP1002 Teaching and Learning: Literacy. **Assessment:** Online discussion (50%); Writing portfolio (50%).

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

EDUP 2005 Mathematics 1: Exploring Early Number

4 credit points. Shame Aldridge. **Session:** Semester 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. Sharon Galleguillos. **Session:** Semester 1. **Assessment:** Participation (20%); Icon Presentation (30%); Case Study (50%) Within New South Wales public schools it is mandatory to implement the Department of Education and Training (DET) Aboriginal Education Policy (1996) and ensure Aboriginal perspectives are provided in all key-learning areas.

This Indigenous Australian- Education, Unit of Study, focuses on the application of Aboriginal studies in primary school education and represents a contemporary Australian education and culture study that is linked to historical issues, and interrelates social, political and economic themes.

EDUP 2003 Professional Experiences 1 (Primary)

4 credit points. Associate Professor Robyn Ewing. **Session:** Semester 2. **Prerequisites:** EDUP 1002 Introduction to Teaching and Learning. **Assessment:** Develop-

ment 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. Dr Richard Light. **Session:** Semester 2. **Assessment:** Essay (50%); Games Lesson Plans (20%); Teaching Evaluation (30%).

This unit of study is the first of two units aimed at assisting students to develop their teaching skills in Physical Education. It is focused on the development of Physical Education pedagogy for generalist primary school teachers aimed at making children's experiences of physical activity enjoyable, rewarding and educationally valuable. Students will study the theory and practice of teaching physical activity in primary schools with a focus on student-centred pedagogy and on the Game Sense approach to teaching games in particular. Through reading, active participation in lectures, workshops and school-based team-teaching laboratories students will engage with the latest developments in physical education pedagogy and apply it in practical contexts. This will involve exposure to contemporary theories of learning in and through physical education, management and organisational issues specific to physical education, practical workshops and team teaching in a primary school. Drawing on experiences of lectures and workshops students will work collaboratively in planning for learning, organising, managing and teaching physical education with a clear focus on student learning and achievement.

Year 3 Curriculum & Professional Studies (Students from 2003)

EDUP 3001 PDHPE 2: Active Healthy Primary Schools

4 credit points. Ms Jan Milton. **Session:** Semester 1. **Prerequisites:** EDUP2004 PDHPE1: Physical Activity and 20 credit points of professional studies in Primary Education. **Assessment:** An integrated PDHPE unit of work (3000 words) (70%), Class presentation and handout (30%).

In this second unit of study students will continue to gain experience in a variety of physical activities as well as being introduced to health and personal development content strands from the Personal Development Health and Physical Education (PDHPE) Key Learning Area (KLA), K-6. Students will be encouraged to examine their own health and fitness status and explore the importance of leading active and healthy lives. Emphasis will be placed upon developing teaching skills and programming strategies necessary for the effective implementation of the syllabus. Participation in a variety of dance and gymnastic activities will enable students to develop their confidence and physical skills to teach children. Particular attention will be given to teaching an integrated PDHPE curriculum within the health promoting school context.

EDUP 3002 Human Society and its Environment

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

This unit will focus on the fundamental principles of the Human Society and Its Environment K-6 key learning area as well as theories of how children learn in a social setting. This unit will enable the students to design and critically reflect on learning experiences which are planned to achieve the aim of the NSW HSIE K-6 Syllabus.

EDUP 3003 Teaching in Multilingual Classrooms

4 credit points. Dr Paul Dufficy. **Session:** Semester 1. **Prerequisites:** 20 credit points of professional studies in Primary Education. **Assessment:** There is a range of linked assessment tasks in this UOS. These include activity design tasks; a written paper analysing classroom talk; the design of a substantial learning sequence; and the assessment of a piece of children's writing.

The content of this introductory UOS is based around teaching principles derived from current sociocultural thinking. Four key principles are challenge, engagement, assisted performance, and handover. With these in mind, and after an introduction to the social and political context of TESOL, the unit covers oral language development, literacy and the integration of newly-arrived children.

EDUP 3004 Mathematics2: Space and Measurement

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

Mathematics 2 will continue the process of building students' understanding of how children's mathematical thinking develops that was begun in Mathematics 1. In this unit students will focus on the content strands of Space & Geometry, and Measurement, and the process strand, Working Mathematically. The role mathematics plays in developing numeracy will be examined in the light of the content areas covered in this unit.

EDUP 3005 Investigating in Science and Technology

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

This unit is the first of two dealing with issues, strategies and resources relevant to the teaching of Science and Technology in the K-6 curriculum. It builds upon foundation studies in science undertaken by students in the Science Foundations units EDUF1016 and EDUF 1017.

EDUP 3006 English 3: Literature and Literacies

4 credit points. Dr Alyson Simpson and Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** EDUP1002 Teaching and Learning: Literacy (Intro), EDUP 2002 English 2 and 16 credit points of professional studies in Primary Education. **Assessment:** Individual reading journal (20%): 1000w; Critical reflection on literacy event (30%): 1200w; Literature-based unit of work (50%): 1800w.

This unit of study is focussed on work with the strands of Reading, Writing, Talking and Listening through the use of literary texts in the classroom. Literary texts such as picture books, novels, biographies, plays and poetry as well as other texts of popular culture will be used as the basis for preparation for teaching English to children in the middle years (NSW Stages 2 and 3, grades 3,4,5 and 6). The emphasis will be on developing children's critical comprehension and creative composition of a range of literary texts. This involves learning how text structure and verbal grammar, as well as the visual grammar of images and layout, are used to construct different kinds of meanings. Students will engage in wide reading and respond to a variety of literary texts in paper and electronic formats. Students will also undertake close study of the verbal and visual form of selected texts. From this basis students will design learning and assessment experiences to engage children's enjoyment of literary texts and to develop their critical understanding of how such texts are constructed to provoke pleasurable interpretive responses. Students will also investigate how literacy is encouraged in the wider community.

EDUP 3007 Professional Experiences 2 (Primary)

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

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

EDUP 3008 Creative Arts 2

4 credit points. Dr Robyn Gibson and Associate Professor Robyn Ewing. **Session:** Semester 1. **Prerequisites:** EDUP1001 Creative Arts 1 and 20 credit points of professional studies in Primary Education. **Assessment:** Unit of work or Resource Kit (80%) and VAPD/Portfolio (20%).

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

Honours: Primary**EDUF 3205 Beginning Educational Research**

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

NB: Department permission required for enrolment. Credit average across EDUF2006 and EDUF2007; 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 website located at: <http://www.edfac.usyd.edu.au/courses/undergrad/honours.html>

EDUF 3206 Methodologies and Educational Research

4 credit points. Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** Credit or higher in EDUF3205. **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 website located at: <http://www.edfac.usyd.edu.au/courses/undergrad/honours.html>

EDUF 4052 Spec Unit (Primary) Honours A

8 credit points. Dr Angela Thomas. **Session:** Semester 1. **Prerequisites:** Credit or higher in EDUF3206.

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 edup4052 and edup4053. 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 website for detailed information: <http://www.edfac.usyd.edu.au/courses/undergrad/honours.html>

EDUF 4053 Spec Unit (Primary) Honours B

8 credit points. Dr Angela Thomas. **Session:** Semester 2. **Prerequisites:** Credit or higher in EDUF3206 and EDUP4052 Special Unit (Primary) Honours A.

NB: Department permission required for enrolment.

For further information see EDUP4052.

Year 4 Curriculum & Professional Studies (Continuing Students)**EDUF 4011 Human Society and its Environment 2**

2 credit points. Ms Sandra Newell. **Session:** Semester 2. **Prerequisites:** 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;

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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 4012 Multiliteracies, Metalang & Eng Teach

2 credit points. Dr Alyson Simpson and Dr Angela Thomas. Session: Semester 1. Prerequisites: EDUP3032 Literature & Literacies: The Middle Yrs and EDUP3033 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. TBA. Session: Semester 1. Prerequisites: 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. TBA. Session: Semester 1. Prerequisites: 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: Semester 1. Prerequisites: 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. TBA. Session: Semester 1. Prerequisites: 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. Dr Louise Sutherland. Session: Semester 1. Prerequisites: EDUP 3015 Teaching and Curriculum 2. Assessment: Assessment will be in the form of an essay on the concerns of Beginning Teachers and collaborative development of an integrated unit of work across the Key Learning Areas.

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 4022 Maths 4: Teaching an Inquiry-Based Class

2 credit points. Dr Janette Bobis. Session: Semester 2. Prerequisites: EDUP3031 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: Semester 2. Prerequisites: 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: Semester 2. Prerequisites: 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 and Dr Alyson Simpson. Session: Semester 2. Prerequisites: EDUP3031 Maths 3 and EDUP3032 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. TBA. **Session:** Semester 2. **Prerequisites:** 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 Co-operating 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:** Semester 1. **Prerequisites:** EDUP3033 The Development of Written Language and EDUP3032 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:** Semester 2. **Prerequisites:** EDUP4001 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:** Semester 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:** Semester 2. **Prerequisites:** EDUP4003 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:** Semester 1. **Prerequisites:** 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 draw 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:** Semester 2. **Prerequisites:** EDUP4005 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 draw 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. Dr Lesley Harbon. **Session:** Semester 1. **Prerequisites:** EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033.

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 programmes;
- 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:** Semester 2. **Prerequisites:** EDUP4046 Spec Unit (Primary) Languages A.

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;

4. Education units of study

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:** Semester 1. **Prerequisites:** EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033. **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:** Semester 2. **Prerequisites:** EDUP4048 Spec Unit (Primary) TESOL A.

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. **Session:** Semester 1. **Prerequisites:** EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033. **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. **Session:** Semester 2. **Prerequisites:** EDUP4054 Spec Unit (Primary) Special Education A. **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. Sharon Galleguillos. **Session:** Semester 1. **Prerequisites:** EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033. **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. Sharon Galleguillos. **Session:** Semester 2. **Prerequisites:** EDUP4056. **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. Dr Michael Anderson and Dr Robyn Gibson. **Session:** Semester 1. **Prerequisites:** EDUP2011 Visual Arts K-6 1, EDUP2012 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. Dr Michael Anderson and Dr Robyn Gibson. **Session:** Semester 2. **Prerequisites:** EDUP4060 Spec Unit (Primary) Integrated Arts A.

NB: Department permission required for enrolment.

Please see entry for EDUP4060 Spec Unit (Primary) Integrated Arts A.

Education Exchange

Year 2 Education Exchange

EDUF 2551 Education Exchange

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

NB: Department permission required for enrolment.

EDUF 2552 Education Exchange

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

NB: Department permission required for enrolment.

EDUF 2553 Education Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

EDUF 2555 Education Exchange

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

NB: Department permission required for enrolment.

Year 3 Education Exchange

EDUF 3551 Education Exchange

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

NB: Department permission required for enrolment.

EDUF 3552 Education Exchange

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

NB: Department permission required for enrolment.

EDUF 3553 Education Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

EDUF 3554 Education Exchange

24 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

EDUF 3555 Education Exchange
8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Year 4 Education Exchange
EDUF 4551 Education Exchange
2 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 4552 Education Exchange
4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 4553 Education Exchange
6 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 4555 Education Exchange
8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Year 5 Education Exchange
EDUF 5551 Education Exchange
2 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 5552 Education Exchange
4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 5553 Education Exchange
6 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 5555 Education Exchange
8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

EDUF 5556 Education Exchange
24 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

Table of Bachelor of Education units of study

Unit of Study		CP	A: Assumed knowledge P: Pre-requisites Q: Qualifying C: Corequisites N: Prohibition	Session
Education Foundations				
Education 1 (All Education Students)				
EDUF 1018	Education, Teachers and Teaching	6	N EDUF1011	Semester 1
EDUF 1019	Human Development and Education	6	N EDUF1012	Semester 2
Science Foundations (Primary Students)				
EDUF 1016	Science Foundations 1	6	N EDUF1014	Semester 1
EDUF 1017	Science Foundations 2	6	P EDUF1016 Science Foundations 1 N EDUF1015	Semester 2
Education 2 (All Education Students)				
EDUF 2006	Educational Psychology	6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points	Semester 1
EDUF 2007	Social Perspectives on Education	6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points	Semester 2
Education 3 (International Students)				
EDUF 3000	Sport and Learning in Australian Culture	4	P 40 credit points.	Semester 1, Semester 2
Education 3 (All Education Students)				
EDUF 3001	Psychology of Learning and Teaching	4	P 40 Credit Points NB: Department permission required for enrolment. Strongly recommended that students have completed EDUF2005 or EDUF2006 Educational Psychology	Semester 2
EDUF 3002	Adolescent Development	4	P EDUF1019 Human Development and Education or PSYC1001 & PSYC1002	Semester 2a
EDUF 3003	Evaluation and Measurement in Education	4	P 40 Credit Points NB: Strongly recommended that students have completed EDUF2005 or EDUF2006 Educational Psychology.	Semester 2
EDUF 3014	Cross Cultural Fieldwork in Education	4	P 40 credit points NB: Department permission required for enrolment. Departmental permission required for entry into this Unit	S1 Late Int
EDUF 3017	Curriculum: A Cultural Construct	4	P 40 Credit Points	Semester 2
EDUF 3018	Special Education: Inclusive Schools	6	P 38 credit points NB: Department permission required for enrolment.	Semester 2a
EDUF 3019	Children and Youth	4	P 40 credit points	Semester 2
EDUF 3021	Special Education: Inclusive Schools	4	P 40 Credit Points	S1 Late Int, Semester 1b, Semester 2a, Semester 2b

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EDUF 3022	Mentoring in the "risk society"	4	P 40 credit points NB: Department permission required for enrolment.	Semester 1
EDUF 3112	Sports, Leisure and Youth Policy	4	P 40 Credit Points	Semester 1
EDUF 3114	Education Programs in Industrial Nations	4	P 40 Credit Points	Semester 2
EDUF 3121	Ethics and Education	4	P 40 Credit Points	Semester 1
EDUF 3124	International and Development Education	4	P 40 Credit Points	Semester 1
EDUF 3132	Australian Secondary Schooling	4	P 40 Credit Points	Semester 1
EDUF 3134	Gender and Education	4	P 40 Credit Points NB: Department permission required for enrolment.	Semester 1
Honours: Secondary combined degrees & Human Movement & Health Education				
(see EDUP listing for Primary Honours Units)				
EDUF 3205	Beginning Educational Research	4	NB: Department permission required for enrolment. Credit average across EDUF2006 and EDUF2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.	Semester 1
EDUF 3206	Methodologies and Educational Research	4	P Credit or higher in EDUF3205 NB: Department permission required for enrolment.	Semester 2
EDUF 3207	Educational Psychology Research Seminar 1	4	P Credit average across EDUF2006 and EDUF2007 and a credit average across some other coherent set of 16 credit points C EDUF3205 and EDUF3206 NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol	Semester 1
EDUF 3208	Educational Psychology Research Seminar 2	4	P EDUF3207 Educational Psychology Research Seminar 1 NB: Department permission required for enrolment.	Semester 2
EDUF 3209	Social Policy Research Seminar 1	4	P Credit average across EDUF2006 and EDUF2007 Credit average across some other coherent set of 16 credit points. C EDUF3205 and EDUF3206 NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.	Semester 1
EDUF 3210	Social Policy Research Seminar 2	4	P EDUF3209 Social Policy Research Seminar 1 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 2
EDUF 4042	Secondary Special Course Honours A	4	P Credit or higher in EDUF3206 NB: Department permission required for enrolment.	Semester 1
EDUF 4043	Secondary Special Course Honours B	4	P Credit or higher in EDUF3206 and EDUF4042 NB: Department permission required for enrolment.	Semester 2
EDUF 4215	Education Honours 1	24	P EDUF3205 and EDUF3206 and EDUF3207 and EDUF3208 and 12 credit points from the following: EDUF3001, EDUF3002, EDUF3003, EDUF3005, EDUF3112, EDUF3114, EDUF3121, EDUF3124, EDUF3132, EDUF3134, EDUF3141, EDUF3021 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 1
EDUF 4216	Education Honours 2	24	P EDUF3205 and EDUF3206 and EDUF3207 and EDUF3208 and 12 credit points from the following: EDUF3001, EDUF3002, EDUF3003, EDUF3005, EDUF3112, EDUF3114, EDUF3121, EDUF3124, EDUF3132, EDUF3134, EDUF3141, EDUF3021 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 2

EDSE 5003	Honours Thesis I	4	P Credit or higher in EDUF3206 Methodologies and Educational Research NB: Department permission required for enrolment.	Semester 1
EDSE 5004	Honours Thesis II	12	P EDSE5003 Honours Thesis I NB: Department permission required for enrolment.	Semester 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	Semester 1, Semester 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	Semester 1a
EDSE 3003	Professional Experience 1	4	P 48 Credit Points including 18 Credit Points of Education	Semester 1b
Year 3 Curriculum Units				
EDSE 3037	Teaching Visual Arts 1A	6	P 18 credit points of Education + 16 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds	Semester 1b
EDSE 3038	Teaching Visual Arts 1B	6	P 18 credit points of Education & 16 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds.	Semester 1b
EDSE 3005	Teaching Visual Arts 2A	4	P EDSE3037 Teaching Visual Arts 1A & practical art course taken at The Tin Sheds. C Advanced practical art course taken at the Tin Sheds.	Semester 2
EDSE 3039	Teaching Visual Arts 2B	4	P EDSE3037 Teaching Visual Arts 1A & EDSE3038 Teaching Visual Arts 1B and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds.	Semester 2
EDSE 3040	Teaching History 1	6	P 48 credit pts including 18 credit pts of Education and 16 Senior credit pts of History.	Semester 1b
EDSE 3007	Teaching History 2	4	P EDSE3006 History Curriculum 1 or EDSE3040 Teaching History 1	Semester 2
EDSE 3041	Teaching Geography 1	6	P 48 credit pts including 18 credit pts of Education and 16 Intermediate credit pts of Geography	Semester 1b
EDSE 3009	Teaching Geography 2	4	P EDSE3008 Geography Curriculum 1 or EDSE3041 Teaching Geography 1	Semester 2
EDSE 3042	Teaching Drama 1	6	P 48 credit pts including 18 credit pts of Education and 16 credit pts of Performance Studies	Semester 1b
EDSE 3011	Teaching Drama 2	4	P EDSE3010 Drama Curriculum 1 or EDSE3042 Teaching Drama 1 + 16 credit points of Performance Studies	Semester 2
EDSE 3043	Teaching TESOL 1	6	P 18 credit pts of Education + 28 credit pts of either English, Linguistics or Languages.	Semester 1b
EDSE 3013	Teaching TESOL 2	4	P EDSE3012 TESOL Curriculum 1 or EDSE3043 Teaching TESOL 1 + 28 credit pts of either English, Linguistics or Languages.	Semester 2
EDSE 3044	Teaching English 1	6	P 48 Credit Points including 18 credit points of Education and 16 Senior credit pts of English or Australian Literature	Semester 1b
EDSE 3015	Teaching English 2	4	P EDSE3044 Teaching English 1 or EDSE3014 English Curriculum 1.	Semester 2
EDSE 3045	Teaching Mathematics 1A	6	P 18 credit points of Education and 20 credit points of Mathematics	Semester 1b
EDSE 3046	Teaching Mathematics 1B	6	P 18 credit points of Education and 20 credit points of Mathematics.	Semester 1b
EDSE 3018	Teaching Mathematics 2A	4	P EDSE3045 Teaching Mathematics 1A or EDSE3016 Mathematics Curriculum 1A	Semester 2
EDSE 3019	Teaching Mathematics 2B	4	P EDSE3045 Teaching Mathematics 1A or EDSE3016 Mathematics Curriculum 1A and EDSE3046 Teaching Mathematics 1B or EDSE3017 Mathematics Curriculum 1B	Semester 2
EDSE 3047	Teaching Languages 1A	6	P 18 credit pts of Education + 28 credit pts of languages	Semester 1b

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EDSE 3048	Teaching Languages 1B	6	P 18 credit pts of Education + 28 credit pts of Languages	Semester 1b
EDSE 3022	Teaching Languages 2A	4	P EDSE3020 LOTE Curriculum 1A or EDSE3047 Teaching LOTE 1A	Semester 2
EDSE 3023	Teaching Languages 2B	4	P EDSE3047 Teaching LOTE 1A or EDSE3020 LOTE Curriculum 1A & EDSE3048 Teaching LOTE 1B or EDSE3021 LOTE Curriculum 1B	Semester 2
EDSE 3049	Teaching Computer Studies 1	6	P 18 credit points of Education + 28 credit points Computer Studies	Semester 1b
EDSE 3025	Teaching Computer Studies 2	4	P EDSE3049 Teaching Computer Studies 1 or EDSE3024 Computer Studies Curriculum 1	Semester 2
EDSE 3050	Teaching Commerce/Economics 1	6	P 48 credit pts including 18 credit pts of Education and 16 Intermediate credit pts of Economics or Commerce or Government or Political Economy or Work	Semester 1b
EDSE 3029	Teaching Commerce/Economics 2	4	P EDSE3028 Commerce/Economics Curriculum 1 or EDSE3050 Teaching Commerce/Economics 1	Semester 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.	Semester 1b
EDSE 3031	Teaching Science 2 (Core)	4	P EDSE3051 Teaching Science 1 (Core) or EDSE3030 Science Curriculum 1 (Core)	Semester 2
EDSE 3032	Teaching Science Elective (Chemistry)	4	P 12 credit points of Chemistry and 20 Credit points of Education	Semester 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 EDSE3051 Teaching Science 1 (Core) NB: Department permission required for enrolment.	Semester 2, Semester 1b
EDSE 3054	Teaching Science Elective (Biology)	6	P 12 credit points Biology and 18 credit points of Education. C EDSE3051 Teaching Science 1 (Core)	Semester 1b
Year 4 Professional Studies (Compulsory Units)				
EDSE 4003	Craft Knowledge and Prof Practices 2	8	P EDSE3002 Craft Knowledge and Professional Practices 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035.	Semester 2
EDSE 4036	Professional Experience 2	2	P 48 credit points including 20 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035.	Semester 2
EDSE 4037	Professional Experience 3	2	P 96 credit points including 52 credit points of Education, EDSE3003 Professional Experience 1 and two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. C EDSE4036 Professional Experience 2 and EDSE4038 Curriculum 4.	Semester 2
EDSE 4038	Curriculum 4: Information Technology	8	P 48 Credit points including 20 credit points of Education & two of the following: EDSE4021, 4022, 4023, 4024, 4025, 4026, 4027, 4028, 4029, 4030, 4031, 4032, 4033, 4034, 4035. C EDSE4003, 4036 and 4037	Semester 2
Year 4 Curriculum Units				
EDSE 4021	Teaching Visual Arts 3A	6	P EDSE3037 Teaching Visual Arts 1A and EDSE3005 Teaching Visual Arts 2A	Semester 1a
EDSE 4022	Teaching Visual Arts 3B	6	P EDSE3005 Teaching Visual Arts 2A & EDSE3039 Teaching Visual Arts 2B and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds.	Semester 1a

4. Education units of study

EDSE 4023	Teaching History 3	6	P EDSE3040 Teaching History 1 & EDSE3007 Teaching History 2	Semester 1a
EDSE 4024	Teaching Geography 3	6	P EDSE3041 Teaching Geography 1 & EDSE3009 Teaching Geography 2	Semester 1a
EDSE 4025	Teaching Drama 3	6	P EDSE3042 Teaching Drama 1 & EDSE3011 Teaching Drama 2 + 16 credit pts of Performance Studies	Semester 1a
EDSE 4026	Teaching TESOL 3	6	P EDSE3043 Teaching TESOL 1 & EDSE3013 Teaching TESOL 2	Semester 1a
EDSE 4027	Teaching English 3	6	P EDSE3044 Teaching English 1 & EDSE3015 Teaching English 2.	Semester 1a
EDSE 4028	Teaching Mathematics 3A	6	P EDSE3045 Teaching Mathematics 1A & EDSE3018 Teaching Mathematics 2A	Semester 1a
EDSE 4029	Teaching Mathematics 3B	6	P EDSE4028 Teaching Mathematics 3A and EDSE3019 Teaching Mathematics 2B	Semester 1a
EDSE 4030	Teaching Languages 3A	6	P EDSE3022 Teaching LOTE 2A	Semester 1a
EDSE 4031	Teaching Languages 3B	6	P EDSE3022 Teaching LOTE 2A & EDSE3023 Teaching LOTE 2B	Semester 1a
EDSE 4032	Teaching Computer Studies 3	6	P EDSE3049 Teaching Computer Studies 1 & EDSE3025 Teaching Computer Studies 2	Semester 1a
EDSE 4033	Teaching Commerce/Economics 3	6	P EDSE3050 Teaching Commerce/Economics 1 & EDSE3029 Teaching Commerce/Economics 2	Semester 1a
EDSE 4034	Teaching Science 3 (Core)	6	P EDSE3051 Teaching Science 1 (Core) & EDSE3031 Teaching Science 2 (Core)	Semester 1a
EDSE 4035	Teaching Science 4 (Sci Hist & Phil)	6	P EDSE3031 Science Curriculum 2 (Core)	Semester 1
Year 5 Professional Studies (Compulsory Units)				
EDSE 5007	Internship	8	P 96 credit points including 52 of Education and EDSE3003 Professional Experience 1, EDSE4004 Professional Experience 2 and EDSE4005 Internship I. NB: Department permission required for enrolment.	Semester 2b, Semester 1
Year 5 Curriculum Units				
EDSE 5001	TESOL as a Third Teaching Area	12	P 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English.	Semester 2
EDSE 5002	TESOL Professional Experience	4	P 24 Credit Points from one or two of English and/or Linguistics and/or Languages other than English	Semester 2
EDSE 5003	Honours Thesis I	4	P Credit or higher in EDUF3206 Methodologies and Educational Research NB: Department permission required for enrolment.	Semester 1
EDSE 5004	Honours Thesis II	12	P EDSE5003 Honours Thesis I NB: Department permission required for enrolment.	Semester 2
EDSE 5005	The Teacher in Texts and Media	16	P 96 credit points including 52 credit points of Education	Semester 2
EDSE 5006	Meeting the Needs of Cultural Diversity	16	P 96 credit points including 52 credit points of Education.	Semester 2
Secondary: BEd/BA(Psych), BEd/BSc(Psych)				
Year 2				
EDSE 4001	Information Technology in the Classroom	4	P 12 Credit points of Education	Semester 1, Semester 2
EDSP 2001	Counselling Practicum 1	2	P 48 credit points including 12 credit points of Education and PSYC1001 & PSYC1002	Semester 1
Year 3 Professional Studies (Compulsory Units)				
EDSP 3001	Teaching Practicum 1	2	P 48 credit points including 18 credit points of Education and ED-SP3002 Teaching and Learning (Psychology)	Semester 2
EDSP 3002	Teaching and Learning (Psychology)	4	P 48 credit points including 18 credit points of Education and 24 credit points of Psychology	Semester 1
Year 4 Professional Studies (Compulsory Units)				
EDSP 4001	Psychological and Educational Assessment	6	P Completed major in Psychology with a Credit average, ED-SP2001,3001,3002	Semester 1
EDSP 4002	Behaviour Assessment and Interventions	6	P Completed major in Psychology with a Credit average; ED-SP2001,3001,3002 & 4001.	Semester 2

4. Education units of study

EDSP 4003	Counselling Practicum 2	2	P Completed major in Psychology with a Credit average; ED-SP2001,3001,3002 & 4001. C EDSP4004 Teaching Practicum 2	Semester 2
EDSP 4004	Teaching Practicum 2	4	P 48 credit points including 18 credit points of Education, ED-SP3001 & One of the following: EDSE4006, 4007, 4009, 4010, 4011, 4012, 4014, 4019 C EDSE4003 Counselling Practicum 2	Semester 2
BEd (Secondary: Human Movement and Health Education)				
Year 1 (New students from 2005)				
EDUH 1001	Foundations of PDHPE	6		Semester 1
EDUH 1002	Motor Skill Acquisition	3		Semester 2
EDUH 1003	Practical Study in Physical Education 1	3		Semester 2
EDUH 1016	Human Bioscience	6	N BIOL1003, BIOL1903	Semester 2
EDUH 1017	Sports Mechanics	6	A No assumed knowledge of Physics N PHYS1001, PHYS1002, PHYS1901	Semester 1
Year 2 Curriculum & Professional Studies (Students from 2003)				
EDUH 2001	Applied Anatomy and Physiology	4	P EDUH1016 Human Bioscience	Semester 2
EDUH 2004	School Experience 1	2	P 36 credit points including 12 from Education	Semester 2
EDUH 2005	Determinants of Health	4	P 36 credit points including 12 credit points from Education	Semester 2
EDUH 2006	Practical Studies in PE 2	6	P 36 credit points including EDUH1003	Semester 1
EDUH 2007	Teaching and Learning in PDHPE	4	P 36 credit points including 12 credit points from Education.	Semester 1
Year 3 Curriculum & Professional Studies (Students from 2003)				
EDUH 3001	Practical Studies in PE 3	4	P 60 credit points including EDUH2006	Semester 1
EDUH 3002	Practical Studies in PE 4	4	P 60 credit points including EDUH2006 and EDUH3001	Semester 2
EDUH 3003	School Experience II	4	P 60 credit points including EDUH2004 School Experience I	Semester 2
EDUH 3004	Psychosocial Health Issues	4	P 60 credit points including EDUH2005 Determinants of Health.	Semester 1
EDUH 3005	Adolescent Health Issues	4	P 60 credit points including EDUH3004 Psychosocial Health Issues.	Semester 2
EDUH 3006	Teaching and Learning in PDHPE 2	4	P 60 credit points including EDUH2007 Teaching and Learning in PDHPE.	Semester 1
EDUH 3014	Assessment and Evaluation in PDHPE	4	P 60 credit points including EDUH2007 Teaching and Learning in PDHPE.	Semester 2
EDUH 3023	Exercise Physiology	4	P 60 credit points including EDUH2001 Applied Anatomy & Physiology.	Semester 1
Year 4 Curriculum & Professional Studies (Continuing Students)				
EDUH 4001	Contemporary Studies in PDHPE	4	P EDUH2015 Teaching PDHPE 1 and EDUH3015 Teaching PDHPE 2.	Semester 2
EDUH 4013	Adapted PDHPE	4	P EDUF3021 Special Education: Inclusive Schools	Semester 1
EDUH 4014	Sport Psychology	4	P EDUH2015 and EDUH2023 and either EDUH2001 or EDUH2013	Semester 1
EDUH 4015	Administration of PDHPE and Sport	4	P EDUH2015 and EDUH3015	Semester 1
EDUH 4016	Health Education Pedagogy 3	4	P EDUH2025 and EDUH3024	Summer, Semester 1
EDUH 4017	Planning for Healthy Behaviour 1	4	P EDUH3016	Semester 1
EDUH 4023	Sports Medicine	4	P EDUH2013 or EDUH2001 and EDUH3023 and EDUH3013	Semester 2
EDUH 4024	Health Education Pedagogy 4	4	P EDUH2025 and EDUH3024 and EDUH4016	Semester 2
EDUH 4026	Applied Skills in Physical Education 4	4	P EDUH2014 or EDUH2002 and EDUH2024 or EDUH2003 and EDUH3025.	Semester 2
EDUH 4027	Teaching Practice 3	4	P EDUH3026	Semester 2
Year 4 Options				
EDUH 4029	Mental Health Promotion	4	P 40 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 2

EDUH 4030	Coaching Concepts	4	P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUH 4032	Empirical Studies in Exercise Physiology	4	P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUH 4034	Recreation Leadership and Management	4	P 40 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 1
EDUH 4036	Cross Cultural Aspects of PE & Sport	4	P 40 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 2
EDUH 4040	Issues in Nutrition Education	4	P 40 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 2
EDUH 4043	Human Movement and Health Ed Ind Study	4	P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUH 4045	Human Movement & Health Ed Spec Project	4	P 60 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUH 4046	Fitness Training: Theory and Practice	4	P 40 credit points of professional studies in HMHE. NB: Department permission required for enrolment.	Semester 1
BEd (Secondary: Design and Technology)				
Year 2 Professional Studies (Compulsory Units)				
EDDT 2007	Teaching and Learning 1 (D & T)	8		Semester 1
EDDT 2005	Teaching Technology 1A	2		Semester 1
EDDT 2006	Teaching Technology 1B	2	P EDDT2005	Semester 2
EDDT 2009	Design Fundamentals 1A	10		Semester 1
EDDT 2010	Design Fundamentals 1B	10	P EDDT2009	Semester 2
Year 2 Curriculum Units				
EDDT 2001	Information Processes and Technology 1	2		Semester 1
EDDT 2002	Information Processes and Technology 2	2	P EDDT2001	Semester 2
EDDT 2003	Food Science 1	2		Semester 1
EDDT 2004	Food Science 2	2	P EDDT2003	Semester 2
Year 3 Professional Studies (Compulsory Units)				
EDDT 3001	Design Fundamentals 2A	12	P EDDT2009 & EDDT2010 NB: Classes follow TAFE enrolment pattern	Semester 1
EDDT 3002	Design Fundamentals 2B	12	P EDDT2009 & EDDT2010 & EDDT3001 NB: Classes follow TAFE enrolment pattern	Semester 2
EDDT 3003	Teaching Technology 2A	4	P EDDT2005 & EDDT2006	Semester 1
EDDT 3004	Teaching Technology 2B	4	P EDDT2005 & EDDT2006 & EDDT3003	Semester 2
EDDT 3005	Professional Experience A	4		Semester 2
Year 4 Professional Studies (Compulsory Units)				
EDDT 4001	Teaching and Learning 2 (D & T)	8	P EDDT2007 Teaching and Learning 1 (D&T) or EDSE3002 Craft Knowledge & Professional Practice 1	Semester 1
EDDT 4003	Teaching Technology 3A	2	P EDDT2005 Teaching Technology 1A, EDDT2006 Teaching Technology 1B, EDDT3003 Teaching Technology 2A and EDDT3004 Teaching Technology 2B.	Semester 1
EDDT 4004	Teaching Technology 3B	2	P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4003 Teaching Technology 3A.	Semester 2
EDDT 4013	Professional Experience B	6	P EDDT3005 Professional Experience A	Semester 2
EDDT 4014	Graduating Design Project	10	P 72 credit points of Design and Technology Education Units	Semester 2
Year 4 Curriculum Units				
EDDT 4005	Food Science 3	3	P EDDT2003 Food Science 1 and EDDT2004 Food Science 2	Semester 1

4. Education units of study

EDDT 4006	Food Science 4	3	P EDDT2003 Food Science 1, EDDT2004 Food Science 2 and EDDT4005 Food Science 3.	Semester 2
EDDT 4007	Software Design & Development 1	3		Semester 1
EDDT 4008	Software Design & Development 2	3	P EDDT4007 Software Design and Development 1	Semester 2
EDDT 4009	Teaching Tech (VET - IT) 1	3	P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B.	Semester 1
EDDT 4010	Teaching Tech (VET - IT) 2	3	P EDDT2005,2006 Teaching Technology 1A & 1B and EDDT3003,3004 Teaching Technology 2A & 2B and EDDT4009 Teaching Tech (VET-IT) 1.	Semester 2
EDDT 4011	Teaching Tech (VET - Hosp) 1	3	P EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B	Semester 1
EDDT 4012	Teaching Tech (VET - Hosp) 2	3	P EDDT2005,2006 Teaching Technology 1A,1B & EDDT3003,3004 Teaching Technology 2A, 2B	Semester 2
BEd(Primary)				
Year 1 (New students from 2005)				
EDUP 1001	Creative Arts 1	6		Semester 2
EDUP 1002	Teaching and Learning: Literacy (Intro)	6		Semester 1
Year 2 Curriculum & Professional Studies (Students from 2003)				
EDUP 2002	English 2: Writing as Social Practice	4	P EDUP1002 Teaching and Learning: Literacy	Semester 1
EDUP 2005	Mathematics 1: Exploring Early Number	4		Semester 1
EDUP 2006	Indigenous Australian Education	4		Semester 1
EDUP 2003	Professional Experiences 1 (Primary)	4	P EDUP 1002 Introduction to Teaching and Learning: Literacy	Semester 2
EDUP 2004	PDHPE1: Physical Activity	4		Semester 2
Year 3 Curriculum & Professional Studies (Students from 2003)				
EDUP 3001	PDHPE 2: Active Healthy Primary Schools	4	P EDUP2004 PDHPE1: Physical Activity and 20 credit points of professional studies in Primary Education	Semester 1
EDUP 3002	Human Society and its Environment	4	P 20 credit points of professional studies in Primary Education	Semester 1
EDUP 3003	Teaching in Multilingual Classrooms	4	P 20 credit points of professional studies in Primary Education	Semester 1
EDUP 3004	Mathematics2: Space and Measurement	4	P EDUP2005 Mathematics 1 and 20 credit points of professional studies in Primary Education	Semester 2
EDUP 3005	Investigating in Science and Technology	4	P EDUF1016 & EDUF1017 and 20 credit points of professional studies in Primary Education	Semester 2
EDUP 3006	English 3: Literature and Literacies	4	P EDUP1002 Teaching and Learning: Literacy (Intro), EDUP 2002 English 2 and 16 credit points of professional studies in Primary Education	Semester 2
EDUP 3007	Professional Experiences 2 (Primary)	4	P EDUP2003 Professional Experiences 1 and 20 credit points of professional studies in Primary Education	Semester 2
EDUP 3008	Creative Arts 2	4	P EDUP1001 Creative Arts 1 and 20 credit points of professional studies in Primary Education	Semester 1
Honours: Primary				
EDUF 3205	Beginning Educational Research	4	NB: Department permission required for enrolment. Credit average across EDUF2006 and EDUF2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.	Semester 1
EDUF 3206	Methodologies and Educational Research	4	P Credit or higher in EDUF3205 NB: Department permission required for enrolment.	Semester 2
EDUP 4052	Spec Unit (Primary) Honours A	8	P Credit or higher in EDUF3206 NB: Department permission required for enrolment.	Semester 1
EDUP 4053	Spec Unit (Primary) Honours B	8	P Credit or higher in EDUF3206 and EDUP4052 Special Unit (Primary) Honours A NB: Department permission required for enrolment.	Semester 2

Year 4 Curriculum & Professional Studies (Continuing Students)				
EDUP 4011	Human Society and its Environment 2	2	P EDUP 2022 Human Society & its Environment Ed. 1	Semester 2
EDUP 4012	Multiliteracies, Metalang & Eng Teach	2	P EDUP3032 Literature & Literacies: The Middle Yrs and EDUP3033 The Development of Written Language	Semester 1
EDUP 4013	Music Education: Extension	2	P EDUP 2021 Music Education: Introduction	Semester 1
EDUP 4014	Physical Education: Gym and Dance	2	P EDUP 2023 Physical education: Games	Semester 1
EDUP 4015	Visual Arts K-6 2	2	P EDUP 2011 Visual Arts K-6 1	Semester 1
EDUP 4016	Practicum 4A	6	P EDUP 3016 Practicum 3A and EDUP 3026 Practicum 3B	Semester 1
EDUP 4021	Teaching and Curriculum 3	2	P EDUP 3015 Teaching and Curriculum 2	Semester 1
EDUP 4022	Maths 4: Teaching an Inquiry-Based Class	2	P EDUP3031 Maths 3: Space Measurement Chance & Data	Semester 2
EDUP 4023	Personal Dev and Health in Schools 2	2	P EDUP 3014 Personal Development and Health in Schools 1	Semester 2
EDUP 4024	Teach Sc & Tech K-6 in Social Context	2	P EDUP 3024 Science and Technology in the K-6 Curriculum	Semester 2
EDUP 4025	Teaching Children with Special Needs	2	P EDUP3031 Maths 3 and EDUP3032 Literature & Literacies	Semester 2
EDUP 4026	Practicum 4B	6	P EDUP 4016 Practicum 4A	Semester 2
Special Units (Primary)				
EDUP 4001	Cultural Literacies in the Classroom A	8	P EDUP3033 The Development of Written Language and EDUP3032 Literature & Literacies: The Middle Yrs NB: Department permission required for enrolment.	Semester 1
EDUP 4002	Cultural Literacies in the Classroom B	8	P EDUP4001 Cultural Literacies in the Classroom A NB: Department permission required for enrolment.	Semester 2
EDUP 4003	Gifted and Talented Education A	8	NB: Department permission required for enrolment.	Semester 1
EDUP 4004	Gifted and Talented Education B	8	P EDUP4003 Gifted and Talented Education A NB: Department permission required for enrolment.	Semester 2
EDUP 4005	IT in the Primary Classroom A	8	P 48 credit points including 20 credit points of Education. NB: Department permission required for enrolment.	Semester 1
EDUP 4006	IT in the Primary Classroom B	8	P EDUP4005 Information Technology in the Primary Classroom (A). NB: Department permission required for enrolment.	Semester 2
EDUP 4046	Spec Unit (Primary) Languages A	8	P EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033 NB: Department permission required for enrolment.	Semester 1
EDUP 4047	Spec Unit (Primary) Languages B	8	P EDUP4046 Spec Unit (Primary) Languages A NB: Department permission required for enrolment.	Semester 2
EDUP 4048	Spec Unit (Primary) TESOL A	8	P EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033 NB: Department permission required for enrolment.	Semester 1
EDUP 4049	Spec Unit (Primary) TESOL B	8	P EDUP4048 Spec Unit (Primary) TESOL A NB: Department permission required for enrolment.	Semester 2

4. Education units of study

EDUP 4054	Spec Unit (Primary) Special Education A	8	P EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033 NB: Department permission required for enrolment.	Semester 1
EDUP 4055	Spec Unit (Primary) Special Education B	8	P EDUP4054 Spec Unit (Primary) Special Education A NB: Department permission required for enrolment.	Semester 2
EDUP 4056	Spec Unit (Prim) Koori Kids in School A	8	P EDUP2012 and EDUP2013 and EDUP2014 and EDUP2021 and EDUP2022 and EDUP2023 and EDUP2024 and EDUP3011 and EDUP3013 and EDUP3014 and EDUP3015 and EDUP3016 and EDUP3024 and EDUP3025 and EDUP3026 and EDUP3031 and EDUP3032 and EDUP3033 NB: Department permission required for enrolment.	Semester 1
EDUP 4057	Spec Unit (Prim) Koori Kids in School B	8	P EDUP4056 NB: Department permission required for enrolment.	Semester 2
EDUP 4060	Spec Unit (Primary) Integrated Arts A	8	P EDUP2011 Visual Arts K-6 1, EDUP2012 The Beginnings of Literacy NB: Department permission required for enrolment.	Semester 1
EDUP 4061	Spec Unit (Primary) Integrated Arts B	8	P EDUP4060 Spec Unit (Primary) Integrated Arts A NB: Department permission required for enrolment.	Semester 2
Education Exchange				
Year 2 Education Exchange				
EDUF 2551	Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 2552	Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 2553	Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 2555	Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Year 3 Education Exchange				
EDUF 3551	Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 3552	Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 3553	Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 3554	Education Exchange	24	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 3555	Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Year 4 Education Exchange				
EDUF 4551	Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 4552	Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 4553	Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 4555	Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Year 5 Education Exchange				
EDUF 5551	Education Exchange	2	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5552	Education Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5553	Education Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5555	Education Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
EDUF 5556	Education Exchange	24	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Arts units of study

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

Aboriginal Studies

HSTY 1044 Twentieth Century Politics and Culture

6 credit points. Dr Keene. **Session:** Semester 2, S2 Late Int. **Classes:** 2 lec & 1 tut/wk. **Assessment:** 2500 words written work and one 2 hr exam; 60% classwork and 40% exam.

This unit traces the history of public and private life through the examination of the political and social events which have shaped the twentieth century. In particular, the focus is on the daily lives of those who experienced these events. Using a variety of sources from oral history, first person accounts and literary works, as well as new historical interpretations, students will examine the ways in which ordinary people have attempted to respond to the changing world around them.

HSTY 1051 Twentieth Century Aboriginal History

6 credit points. Offered by Koori Centre. **Session:** S2 Late Int. **Classes:** 2 lecture & 1 tutorial/wk. **Assessment:** One 2hr exam, 2000 words written work; 60% classwork and 40% exam.

HSTY 2014 Australian Social History 1919-1998

8 credit points. TBA. **Session:** Summer, S1 Late Int. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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 2042 Indigenous Experiences of Decolonisation

8 credit points. Offered by Koori Centre. **Session:** S1 Late Int.

KOCR 2100 Indigenous Australia

8 credit points. Ms Blanchard. **Session:** Summer, Semester 1, Semester 2. **Classes:** 2 lec & 1 x 1hr tut/wk. **Prerequisites:** 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 2100 Indigenous Australia

8 credit points. Ms Blanchard. **Session:** Summer, Semester 1, Semester 2. **Classes:** 2 lec & 1 x 1hr tut/wk. **Prerequisites:** 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 2100 Indigenous Australia

8 credit points. Ms Blanchard. **Session:** Summer, Semester 1, Semester 2. **Classes:** 2 lec & 1 x 1hr tut/wk. **Prerequisites:** 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:** Semester 2, S1 Late Int. **Classes:** 2 lec & 1 x 2hr tut/wk. **Prerequisites:** KOCR 2100. **Assessment:** Cultural icon exercise, seminar presentation, essay.

NB: 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:** Semester 2. **Classes:** 2 x 2hr seminars. **Prerequisites:** KOCR 2100. **Assessment:** Media file, research project and exhibition.

NB: 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:** Semester 1, S2 Late Int. **Classes:** 2 lec & 1 x 2hr tut/wk. **Prerequisites:** KOCR 2100. **Assessment:** Presentation, exhibition and journal.

NB: 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 J O'Neil, Dr. A. Blaushard. **Session:** Semester 1. **Classes:** 2 lec and 1 tut/wk. **Assessment:** 1x1500 words tutorial paper; 2.5 hr exam; participation.

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 P Brennan/TBA. **Session:** Semester 2. **Classes:** 2 lec and 1 tut/wk. **Assessment:** 2000w tut paper, 2.5 hr exam, participation.

Power and Persuasion in the Ancient Near East

5. Arts units of study

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. Power and Persuasion in Early 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 verbal 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 operation of power and the success and the failure of contemporary mechanisms of persuasion under three Roman emperors - Caesar Augustus, Tiberius and Caligula.

ANHS 1801 Ancient History Exchange

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

ANHS 2001 Roman Imperialism: A Special Case?

8 credit points. Mr M Stone. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/week. **Prerequisites:** 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. **Assessment:** 2.5 hr exam, 2,500 w tut paper, participation.
The empire of Rome made the Mediterranean World one. How did a single city win this controlling position? What were the experiences of Rome's predecessors (Sparta, Athens, Carthage) and why did a city-state of the same order make the breakthrough which they did not? Material factors (military, demographic and economic) are balanced against imperial concepts (glory, service, faith and majesty) and the question posed: Is this universal empire best seen as an achievement of conquest, an economic imperative or a world-community being formed? How applicable are our findings to other empires at other times or was Rome historically conditioned and unique?

ANHS 2006 The World Alexander Made

8 credit points. Dr J O'Neill. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 Junior credit points of Ancient History or History or Economic History or 12 Credit Points of Ancient History/Classical Civilisation. **Assessment:** one 3hr exam or equivalent, one 3000w essay, one 1000w tut paper, att/part (50% for classwork, 50% for exam).
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
This course examines the development of Greek civilisation from the time of Philip's development of a strong Macedonian state and his son Alexander's conquest of the Persian Empire. We will look at Alexander's career, the breakup of his world-spanning Empire and subsequent developments, political and cultural. We will examine the development of the successor kingdoms, city-states and federations and the reaction of different cultures within the Hellenistic World. Finally we will study the arrival of the Romans within the Greek world and the Greek response to it.

ANHS 2007 Rome 90 BC-AD 14: Making a World City

8 credit points. Dr Welch. **Session:** Summer, Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 Junior credit points of Ancient History or History or Economic History or 12 Credit Points of Ancient History/Classical Civilisation. **Assessment:** one 2.5 hour exam, one 2500 w paper, attendance/participation.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
'For the Romans, the extent of the City is the world'. So wrote Ovid late in the lifetime of Augustus. But Rome was not always a world city. It had to become one. The century in which the city established itself as the leading urban centre of the Mediterranean was one marked by civil wars and social upheaval. How did the political and social instability of Rome in the first century BC affect the development of urban space? How did the leading figures of the period use this space for their own political purposes? How did ideas of the City and what it stood for change to match the new conditions of the times? How did society change? Why was the image of Rome and being Roman such an important factor in the reconstruction brought about by Augustus. We focus in this course on the lives and careers of key figures, on contemporary works of literature and above all on the physical transformation of Rome into a world capital.
NB This unit is also being offered in the University of Sydney Summer School curriculum.

ANHS 2801 Ancient History Exchange

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

ANHS 2802 Ancient History Exchange

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

ANHS 2803 Ancient History Exchange

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

ANHS 2807 Ancient History Exchange

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

ANHS 2808 Ancient History Exchange

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

ANHS 2901 Ancient Historians Rethink History I

4 credit points. TBA. **Session:** Semester 1. **Classes:** 1 lec & 1 tut/wk. **Prerequisites:** Credit average in 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV. **Assessment:** 2000w take-home exam, 2000w seminar paper, participation.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
The nature, purpose and use of history is constantly being rethought. We begin with the historian buffeted by the winds of modern life, theory and the forces of history. The aim is to familiarise you with major theories and theorists underpinning different approaches to history through the ages down to present times.

ANHS 2902 Ancient Historians Rethink History II

4 credit points. TBA. **Session:** Semester 2. **Classes:** 1 lec & 1 tut/wk. **Prerequisites:** ANHS 2901 or HSTY 2901. **Assessment:** 2000w essay, 2hr formal exam, participation.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
Ancient historians wrote within their own contexts. This semester investigates not only the context of major ancient historians (such as The Book of Samuel, Herodotus, Thucydides, Sallust, Livy, Tacitus) but also how modern historians, under the influence of theories, theorists and approaches studied in first semester, have seen these ancient historians. A major research essay with a strong historiographical orientation will give practice in writing ancient history in the contemporary world.

ANHS 3903 Documents and Ancient History (Greek)

4 credit points. Dr O'Neil. **Session:** Semester 2. **Classes:** 1 hr/wk. **Prerequisites:** 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; class participation.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
Students will read a selection of short documents in a range of genres and media (e.g. coins, inscriptions, prose authors) all connected to similar topics. The major focus will be on the historical significance of the texts and the use made of language, images and even iconography to present a particular point of view.

ANHS 3904 Documents and Ancient History (Latin)

4 credit points. Mr Stone. **Session:** Semester 1. **Classes:** 1 hr/wk. **Prerequisites:** 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.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.
Students will read a selection of short documents relevant to the theme of nobilitas. The focus will be on the historical significance of the language of the texts.

ANHS 3905 Research in Ancient History

4 credit points. Dr Welch; Dr Brennan. **Session:** Semester 2. **Prerequisites:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902. **Assessment:** 4000w research essay.
You are required to consult the co-ordinators before enrolling in this Unit.
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 3906 Aliens Bearing Gifts: Greeks and Others

4 credit points. Dr J O'Neill. **Session:** Semester 2. **Classes:** one 2 hr seminar/week. **Prerequisites:** Credit result in 24 Senior credit points of Ancient History or History including ANHS2901 & 2902 or HSTY 2901 & 2902. **Assessment:** 3000 word essay, 1.5 hours formal exam and participation 60% classwork, 40% exam.
We will examine the interplay of cultures in contact, specifically between Greek and Near Eastern cultures and peoples and concentrating on Archaic Greece and the period after Alexander. We will look at oriental influence on Greek civilisation and Greek influence on oriental; continuity of Greek traditions; the role of the oriental as 'the other'.

ANHS 3908 The Nobility of the Later Roman Republic

4 credit points. Mr Stone. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902. **Assessment:** 1.5hr exam, 3000w seminar paper.

The concept expressed in nobilitas is the key to not only the success of Rome's government but the success of Rome. What did ancient writers say about the nobility? How elitist was it and how complete was its hold on the practice of government? What was the ideology of the nobility in relation to a free society and a world empire? This course teaches several approaches to the study of political culture: how to read texts ancient and modern; how to construct useful statistics; how to deal with silence.

ANHS 3921 Assyrian Imperialism

4 credit points. TBA. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit results in 24 Senior credit points of Ancient History or History including ANHS 2901 & 2902 or HSTY 2901 & 2902. **Assessment:** One 3000w seminar paper.

NB: 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 Weeks. **Session:** Semester 2. **Classes:** 2hr seminar/wk. **Prerequisites:** ANHS 3923. **Assessment:** one 2hr exam, one 3000w seminar paper or equivalent.

NB: 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 Weeks. **Session:** Semester 1. **Classes:** 2 hrs/wk. **Prerequisites:** HBRW 1011 and 1012, ARBC 1101 and 1102 or equivalent in these or another Semitic language. **Assessment:** 2 hr formal exam, weekly exercises.

NB: 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 Weeks. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** ANHS 3922 or equivalent. **Assessment:** 1.5 hr exam and one 2500 word essay.

NB: 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 Weeks. **Session:** Semester 2. **Classes:** 2hr seminar/wk. **Prerequisites:** ANHS 3925. **Assessment:** one-and-a-half hour exam, 2500w seminar paper.

NB: 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. TBA. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 48 Senior cp in ANHS or HSTY including 16 cp at ANHS 3900 or HSTY 3900 level or equivalent. **Assessment:** 20000 word thesis; for assessment of other units see descriptions of those units.

NB: Department permission required for enrolment.

This 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 the coordinator of Ancient History Honours, for details of the program and assessment.

ANHS 4012 Ancient History Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to ANHS 4011. **Corequisites:** ANHS4011.. **Assessment:** Refer to ANHS 4011.

Refer to ANHS 4011

ANHS 4013 Ancient History Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to ANHS 4011. **Corequisites:** ANHS4012.. **Assessment:** Refer to ANHS 4011.

Refer to ANHS 4011

ANHS 4014 Ancient History Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to ANHS 4011. **Corequisites:** ANHS4013.. **Assessment:** Refer to ANHS 4011.

Refer to ANHS 4011

Anthropology**ANTH 1001 Anthropology and Cultural Difference**

6 credit points. Professor Diane Austin-Broos. **Session:** Summer, Semester 1. **Classes:** 2 lectures & 1 tutorial per week. Occasional hour-long optional film-screenings and workshops. **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 Ghassan Hage. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial per week. **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:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ANTH 1802 Social Anthropology Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ANTH 2001 Ethnography of Mainland Southeast Asia

8 credit points. Dr Richard Basham. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** 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 2006 Chinese Modernity: The Unfinished Project

8 credit points. Dr Yao Souchou. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** 12 Junior credit points of Anthropology. **Assessment:** Two 2500 word essays and one 2 hour exam.

China, with more than a billion people within its borders, is going through far reaching changes. These changes are at once social, cultural, political and economic. Difficult as it may be, understanding what is now taking place in post-Mao China can be richly rewarding because it opens up a fascinating vista of Western imperial ambitions, shifting cultural responses, national aspirations and economic transformation.

What makes possible a "precursory reading" of these events is their recognisable thematic coherence: the project of Chinese modernity which preoccupied China from late Qing Dynasty (1644-1911), the May Fourth Movement, to the Tiananmen Massacre of June 1989. China's search for modernity was/is moved by need for "strengthening self" (zhiqiang) by taking on foreign technologies and ideas while preserving China's cultural and spiritual integrity. Both the "West" and Chinese tradition have to be transformed and politicised for China's need. The historical origin, articulations and contradictions of this project will be the focus of the course.

The lecture will aim at achieving the following:

- 1) To introduce students to the brief social, cultural and political history of modern China;
- 2) To examine the notion of Chinese modernity as articulated in events like the Tiananmen demonstration of 1989;
- 3) To familiarise students with the literature on social change in post-Mao China

Textbooks

Readings available from the University Copy Centre.

5. Arts units of study

ANTH 2007 **Ritual and Festivity in Brazil**

8 credit points. Dr Lowell Lewis. **Session:** Semester 2. **Classes:** 2 lectures & 1 tutorial per week. **Prerequisites:** 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 2019 **Chinese in Southeast Asia**

8 credit points. Dr Yao Souchou. **Session:** Semester 1. **Classes:** Two lectures and one tutorial. **Prerequisites:** 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 Jadran Mimica. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** 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 Neil Maclean/ Associate Professor Daryl Feil. **Session:** Summer, Semester 1. **Classes:** 3 lectures & 1 tutorial per week. **Prerequisites:** 12 Junior credit points of Anthropology. **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 Michael Nihill. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 junior credit points of Anthropology. **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:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **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 2026 **Urban Anthropology**

8 credit points. TBA. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Junior credit points of Anthropology. **Assessment:** 4,000 words of written work (1 assignment, 1 essay), one two hour exam.

Modern cities are produced in two ways: (a) as types of city responsive to their larger social and cultural environment - the metropolis, the trading or rural centre and the city of sprawling shanty towns; (b) as types of ordered urban space that allocate different identities to a city's inhabitants. This unit focuses on ethnographic and historical studies of urbanism around the world. Lectures will also discuss the method of ethnography and its many uses for research in urban environments.

ANTH 2112 **Australia-Pacific: Indigenous Worlds**

8 credit points. Associate Professor Daryl Feil. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 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 2121 **Migration and Migrant Cultures**

8 credit points. Associate Professor Ghassan Hage. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 Credit points of Junior Anthropology units. **Assessment:** 4000 words written work and one 2 hour examination.

This unit deals with the anthropology of migration and settlement. We examine the social cause of migration and the subjective experience of migrants from the moment they begin to contemplate leaving to the moment they actually arrive in another country. We study the migrant cultures that take shape in the process of settlement: the sub-national 'ethnic' cultures that emerge in specific countries and the transnational cultural forms that emerge from migrants relating to each other across national borders.

Textbooks

Readings will be available at the University Copy Centre

ANTH 2801 **Social Anthropology Exchange**

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

ANTH 2802 **Social Anthropology Exchange**

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

ANTH 2803 **Social Anthropology Exchange**

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

ANTH 2807 **Social Anthropology Exchange**

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

ANTH 2808 **Social Anthropology Exchange**

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

ANTH 3835 **Reading Aboriginal Ethnographies**

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

NB: 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 3907 **Southeast Asia: Exemplary Studies**

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

NB: 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 Lowell Lewis. **Session:** Semester 1. **Classes:** One 2 hour seminar per week. **Prerequisites:** 16 Credit Points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words written work.

NB: 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 problematics 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 3916 Consumption and Pleasure

4 credit points. Dr Yao Souchou. **Session:** Semester 1. **Classes:** one two hour seminar. **Prerequisites:** 16 Credit Points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4,000 words of written work.

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

Consumption is traditionally seen by Marxism as a source of massive mystification by capitalism. More recently the issue has been all but turned around by postmodernism which celebrates the redemptive powers of consumption. As anthropology encounters consumption in diverse ethnographic contexts, it becomes clear that neither Marxism's 'Left Puritanism' nor postmodern celebration will do. The course will take a broadly dialectical approach that confronts the pleasure of consumption as both private and social, personal and political.

ANTH 3921 Advanced Anthropology 1

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

NB: 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 3922 Advanced Anthropology 2

4 credit points. Jadran Mimica. **Session:** Semester 2. **Classes:** 2 hour seminar. **Prerequisites:** 16 Credit Points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words of written work.

NB: 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. Associate Professor Daryl Feil. **Session:** Semester 1. **Classes:** One 2 hour seminar per week. **Prerequisites:** 16 Credit Points of Senior Anthropology completed at Credit Level or Above. **Assessment:** 4000 words written work.

NB: 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 Jadran Mimica. **Session:** Semester 1, Semester 2. **Classes:** Consult Department. **Prerequisites:** Students must have a Credit average in Senior level Anthropology units totalling at least 48 credit points. Units must include ANTH 2501, ANTH 2502, AND three of ANTH 3901-3906, 3908-3916 and one of ANTH 3835, 3907, 3951-3957. **Assessment:** Consult Department.

NB: Department permission required for enrolment.

ANTH 4012 Social Anthropology Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ANTH4011.

Please refer to ANTH 4011

ANTH 4013 Social Anthropology Honours C

12 credit points. Dr Gaynor MacDonald. **Session:** Semester 1, Semester 2. **Corequisites:** ANTH4012.

Please refer to ANTH 4011

ANTH 4014 Social Anthropology Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ANTH4013.

Please refer to ANTH 4011

Arabic Language and Literature

ARBC 1101 Introductory Arabic 1 B1

6 credit points. Dr Hajjar. **Session:** Semester 1. **Classes:** 4 face-to-face classes per week + 1 hour autonomous learning in language lab. **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, Sydney, 2004. (For textbook and audio CDs consult the Department).

ARBC 1102 Introductory Arabic 2 B2

6 credit points. Dr Hajjar. **Session:** Semester 2. **Classes:** 4 face-to-face classes per week + 1 hour autonomous learning in language lab. **Prerequisites:** ARBC 1101 (or equivalent). **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, Sydney, 2004. (For textbook and audio CDs consult the Department).

ARBC 1311 Advanced Arabic Language & Literature A1

6 credit points. A/Prof Shboul. **Session:** Semester 1. **Classes:** 4 hrs per week. **Prerequisites:** HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners subject to placement test. **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

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

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

5. Arts units of study

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. A/Prof Shboul. **Session:** Semester 2. **Classes:** 4 hrs per week. **Prerequisites:** ARBC 1311. **Assessment:** Class work, assignments, tests, examination.

This unit of study consists of two interrelated parts:

1. Practical language: 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:

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 2313, then ARBC 2314.

Textbooks

A dossier of texts will be provided.

ARBC 2103 **Arabic Language and Literature B3**

8 credit points. Dr Hajjar. **Session:** Semester 1. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisites:** ARBC 1102 (or equivalent). **Assessment:** 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. Dr Hajjar. **Session:** Semester 2. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisites:** ARBC 2103 (or equivalent). **Assessment:** Regular assignments and 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. Dr Hajjar. **Session:** Semester 1. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisites:** ARBC 2104 (or equivalent). **Assessment:** 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 samples 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. Dr Hajjar. **Session:** Semester 2. **Classes:** 4 hours per week + 1 hour autonomous learning in language lab. **Prerequisites:** ARBC 2105 (or equivalent). **Assessment:** 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. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** ARBC1312. **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. A/Prof. Shboul. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARBC2313. **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. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 2 hrs/wk lectures, 1 hr/wk tutorial. **Prerequisites:** ARBC3101. **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. A/Prof. Shboul. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARBC 2315. **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 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)

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

ARBC 2801 Arabic Exchange

8 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 2802 Arabic Exchange

8 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 2803 Arabic Exchange

8 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 2804 Arabic Exchange

8 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission is required for enrolment.

ARBC 4011 Arabic Honours A

12 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2. **Classes:** 4 hours every week (2 hours advanced language and 2 hours seminar). **Prerequisites:** Students should have a credit average in 32 Senior credit points of ARBC and at least 16 Senior credit points in ARIS to be admitted to Arabic Honours. Department permission is required for enrolment. **Assessment:** Class work, essays, tutorial presentations and bibliographical assignments.

NB: Department permission required for enrolment.

The Arabic Honours program consists of advanced language tuition, research seminars and the writing of about 12,000 words thesis under supervision.

ARBC 4012 Arabic Honours B

12 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2. **Corequisites:** ARBC4011.

Refer to ARBC4011

ARBC 4013 Arabic Honours C

12 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2. **Corequisites:** ARBC4012.

Refer to ARBC4011

ARBC 4014 Arabic Honours D

12 credit points. Dr Hajjar. **Session:** Semester 1, Semester 2. **Corequisites:** ARBC4013.

Refer to ARBC4011

Arab World, Islam and the Middle East**ARIS 1001 Arab World, Islam and the Middle East 1**

6 credit points. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 3 hours per week. **Assessment:** One 2000 word essay, class presentation and final exam.

This unit of study provides an introduction to the study of the Arab world, Islam and the Middle East. It focuses on Arab and Islamic society and culture in the Middle East. Main themes include: Geographical setting and historical orientations; environment and society, the Arabs and the world of late antiquity; the importance of Arab trade and seafaring; the rise of Islam: the Prophet Muhammad and the Qur'an, Pillars of Islam and Community, the early Arab Islamic Caliphate; religion and politics in the Islamic tradition, Islamic law and society, aspects of Middle Eastern socio-economic and cultural life in the age of the Caliphate as a background to the early modern Middle East: up to Ottoman times. On completion of this unit, students proceed to ARIS 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/Prof. Shboul. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** ARIS 1001. **Assessment:** One 2000 word essay, class presentation and final exam.

This unit of study focuses on Arab and Islamic Learning, Spirituality and Art. Themes include: The scope of classical Arabic learning; Qur'anic studies and Prophetic traditions, the Hellenistic legacy in

Arabic learning, Islamic philosophy and sciences, geographical writings and historiography, issues in Islamic theology, role of scholars, the concept of knowledge; contribution of Arabic-speaking Christian scholars to classical Arab intellectual life; Islamic asceticism, mysticism and the Sufi orders; Arab and Islamic aesthetics: religious and secular art, architectural design and decoration, the role of calligraphy, geometry and arabesque. On completion of the above two units, students proceed to ARIS2005 and ARIS2006 in the year 2006; and to ARIS2003 and ARIS2004 in the year 2007.

Textbooks

Course material and bibliography will be available.

ARIS 2003 Islam in World History

8 credit points. A/Prof. Shboul. **Session:** Semester 1. **Classes:** 3 hours per week.

Prerequisites: ARIS 1002. **Assessment:** two 2500 word essays (or one essay plus examination); class presentation/participation.

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

This unit explores the role of Islam in world history, with special emphasis on international and intercultural relations and the characteristics of the Islamic presence in different parts of medieval and early modern Asia, Africa and Europe.

(a) The Arabs and Islam in the medieval Mediterranean World: Islam and Eastern Christianity; the Arabs and Byzantium; the Arabs and eastern and central Europe in the middle ages; Islam and Western Europe - the Arabs in Spain and Sicily; Arab perspectives on the Crusades; North Africa in the Mediterranean world.

(b) Islam in Asia and in Africa south of the Sahara: patterns of Islamisation and acculturation; the Turks and the Islamisation and acculturation of Asia Minor: Islam in Iran, Central Asia, South Asia and Southeast Asia; Islam in West and East Africa.

(c) Islamic cities in History: social, cultural and intellectual role of urban centres in Arabia, Syria, Palestine, Iraq, Iran, Egypt, North Africa and Islamic Spain.

ARIS 2004 Islam in the Modern World

8 credit points. A/Prof. Shboul. **Session:** Semester 2. **Classes:** 3 hours per week.

Prerequisites: ARIS 1002. **Assessment:** two 2500 word essays (or one essay plus examination); class presentation/participation.

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

This unit focuses on the place of Islam as a political and cultural force in the modern world, particularly in the countries of the Middle East (West Asia and North Africa) and with special emphasis on political ideas and movements. The main themes are:

(a) Islamic political thought: basic concepts and historical background; traditionalism, reform, radicalism and 'fundamentalism', reassertion and revolution in the Islamic experience; the Sunna-Shi'a divergence and the significance of Shi'a ideology in the modern world.

(b) Modern Islamic political movements: Ibn 'Abd al-Wahhab, Afghani and his disciples, the Muslim Brethren in Egypt and other Arab countries, Islamic movements in North Africa and the Indian sub-continent.

(c) Islam and politics in the contemporary world: Islamic regimes in Iran and Arabia, Islam and politics in other Arab countries, Islam in contemporary Turkey, Islamic minorities in the world, the current wave of Islamic 'fundamentalism' and 'radicalism', debates on the 'Islamic threat' and 'clash of civilisations'.

ARIS 4011 Arabic and Islamic Studies Honours A

12 credit points. A/Prof. Shboul. **Session:** Semester 1, Semester 2. **Classes:** 4 hours per week (2 hours seminar and 2 hours Arabic for research purposes).

Prerequisites: Students should have Credit average in at least 32 Senior credit points of ARIS, and at least 16 Senior credit points in ARBC to be admitted to Arabic and Islamic Studies Honours. Department permission is required for enrolment. **Assessment:** Class work, essays, tutorial presentations and bibliographical assignments.

NB: Department permission required for enrolment.

The Arabic and Islamic Studies Honours program consists of research seminars, readings in original Arabic sources and the writing of about 12,000 words thesis under supervision.

ARIS 4012 Arabic and Islamic Studies Honours B

12 credit points. A/Prof. Shboul. **Session:** Semester 1, Semester 2. **Corequisites:** ARIS4011.

Refer to ARIS 4011.

ARIS 4013 Arabic and Islamic Studies Honours C

12 credit points. A/Prof. Shboul. **Session:** Semester 1, Semester 2. **Corequisites:** ARIS4012.

Refer to ARIS 4011.

ARIS 4014 Arabic and Islamic Studies Honours D

12 credit points. A/Prof. Shboul. **Session:** Semester 1, Semester 2. **Corequisites:** ARIS4013.

Refer to ARIS 4011.

5. Arts units of study

Archaeology (Classical)

ARCL 1001 Art & Archaeology of the Classical World

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

Introduction to the art and archaeology of the Mediterranean and especially the Classical World. This unit of study has a double aim: to provide a solid basis for those students who intend to pursue archaeological studies, possibly to a postgraduate level, and to give an overall survey to those who have an interest in the Ancient World as a complement to their studies of any aspect of Western civilisation. The unit of study focuses on some of the most important archaeological sites of Greece, starting with the Bronze Age (Knossos, Santorini, Mycenae) before turning to the Iron Age, the Classical and Hellenistic periods (Athens, Delphi and Olympia). The unit of study then moves to Italy, starting with the Bronze Age (particularly the flourishing Nuraghe 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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARCL 2001 The World of Classical Athens

8 credit points. Dr L Beaumont. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** ARCL1001 plus 6 Junior credit points of Archaeology or Classical Civilization or Ancient History. **Assessment:** One 2 hr exam (35%), one visual test (20%), one 2000 word 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 2002 Greek Cities and Sanctuaries

8 credit points. Prof. M Miller. **Session:** Semester 1. **Classes:** 2 lec and 1 tut/wk. **Prerequisites:** 12 Junior credit points of Archaeology or Classical Civilization/Classical Studies or Ancient History. **Assessment:** one 3000w essay (50%), one mid-term test (15%), and one final exam (35%).

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

ARCL 2801 Archaeology (Classical) Exchange

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

ARCL 2802 Archaeology (Classical) Exchange

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

ARCL 2803 Archaeology (Classical) Exchange

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

ARCL 2807 Archaeology (Classical) Exchange

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

ARCL 2808 Archaeology (Classical) Exchange

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

ARCL 2900 Special Topics on Classical Athens

8 credit points. Dr L Beaumont. **Session:** Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** Credit result in ARCL1001. **Corequisites:** ARCL2001. **Assessment:** One 2 hr exam (30%), one 3500w essay (50%), seminar presentation and participation (20%).

NB: 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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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. Prof M Miller. **Session:** Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** Credit result in ARCL 2900. **Assessment:** One 3000w essay (45%), one 2 hr exam (40%), two seminar presentations (15%).

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

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

ARCL 4011 Archaeology (Classical) Honours A

12 credit points. All members of staff. **Session:** Semester 1, Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** (a) Credit results in 24 Senior credit points of Archaeology (Classical). (b) In addition, 48 credit points from one or more of the following: Archaeology (Near Eastern and/or Prehistoric and Historical), Classical Civilization, Greek, Latin, Greek and Roman Literature, Art History and Theory, Ancient History. (c) HSC 2-unit (or equivalent) in an approved language. **Assessment:** Semester 1: One 7000w essay (20%), 2 seminar presentations (5%), contribution to discussion (5%), one 2 hr exam (15%). Semester 2: One 12,000wd essay (40%), 2 seminar presentations (5%), one viva voce examination (10%).

NB: 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:** Semester 1, Semester 2. **Corequisites:** ARCL4011. **Assessment:** As ARCL4011.

ARCL 4013 Archaeology (Classical) Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARCL4012. **Assessment:** As ARCL4011.

ARCL 4014 Archaeology (Classical) Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARCL4013. **Assessment:** As ARCL4011.

Archaeology (Near Eastern)

ARNE 1001 Archaeology of the Near East

6 credit points. Dr A Betts. **Session:** Semester 2. **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 estab-

ishment 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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ARNE 2002 Ancient Mesopotamia

8 credit points. Professor D Potts. **Session:** Semester 2. **Classes:** 2 lectures and 1 tut/week. **Prerequisites:** 12 junior credit points from Archaeology, Classical Civilisation or Ancient History. **Assessment:** one 2 hour exam, one 2000 word essay, one 1500 word paper, one map test.

This unit will examine the archaeology and early history of Mesopotamia, focussing on: climate and the evolution of landforms; evidence for early settlement; subsistence and natural resources; production; kinship; religion; mortuary practices; writing; and contact with adjacent peoples, particularly concentrating on Iran, the Gulf, and the Indus Valley.

ARNE 2006 The Archaeology of Central Asia

8 credit points. Dr Alison Betts. **Session:** Semester 1. **Classes:** 3 lectures/wk. **Prerequisites:** 12 junior credit points from Archaeology, Classical Civilisation or Ancient History. **Assessment:** One 2 hr exam, two 2000w essays.

This unit of study covers the archaeology of Central Asia from the Bronze Age to the rise of Islam. Topics include regional early state development, Achaemenid and Hellenistic influences, the role of the Kushans and the development of nomadic societies in the northern steppes.

ARNE 2801 Archaeology (Near Eastern) Exchange

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

ARNE 2802 Archaeology (Near Eastern) Exchange

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

ARNE 2803 Archaeology (Near Eastern) Exchange

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

ARNE 2807 Archaeology (Near Eastern) Exchange

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

ARNE 2808 Archaeology (Near Eastern) Exchange

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

ARNE 2901 Material Culture

8 credit points. Dr Jaimie Lovell. **Session:** Semester 2. **Classes:** One 2 hr seminar/wk. **Prerequisites:** Credit result in ARNE1001. **Assessment:** One take home test, one 3000w essay, 1 tut paper.

NB: 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. Professor D Potts. **Session:** Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** 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.

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

In this unit of study students 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:** Semester 1, Semester 2. **Classes:** One 2 hr sem/wk. **Prerequisites:** (a) Credit results in 24 Senior credit points of Archaeology inc. ARNE 2901 and ARNE 3901 (b) reading ability in a Modern European language. **Assessment:** 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.

NB: 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:** Semester 1, Semester 2. **Corequisites:** ARNE4011. **Assessment:** As ARNE 4011.

ARNE 4013 Archaeology (Near Eastern) Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARNE4012. **Assessment:** As ARNE4011.

ARNE 4014 Archaeology (Near Eastern) Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARNE4013. **Assessment:** As ARNE4011.

Archaeology (Prehistoric and Historical)

ARPH 1001 Introduction to Archaeology

6 credit points. Dr M Gibbs. **Session:** Summer, Semester 1. **Classes:** 3 hr/wk. **Assessment:** one 2000w essay, short exercises (including self-guided tutorials, on-line quizzes) equivalent to 1000w, one 1500w exam.

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

ARPH 1801 Archaeology (Prehistoric & Historic) Exchange

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

ARPH 2003 The Archaeology of Society

8 credit points. Assoc Prof R Fletcher. **Session:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** 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. Dr Wayne Johnson. **Session:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** 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. Dr S Colley and other staff. **Session:** Semester 2. **Classes:** 3 hr/wk (possibly including some on-line delivery). **Prerequisites:** 12 Junior credit points of Archaeology. **Assessment:** one 3,000w essay, one seminar write-up (1,500w), and one take-home exam and/or on-line test (equivalent to 1,500w).

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

ARPH 2517 Analysis of Stone Technology

8 credit points. Dr Trudy Doelman. **Session:** Semester 1. **Classes:** 3 hours/wk. **Prerequisites:** CR+ results in 16 senior credit points of Archaeology, including at least 8 senior credit points of ARPH. **Assessment:** 1000w laboratory notebook, 2000w in-class test, 3000w report.

This unit introduces students to the methods and theory behind the analysis and interpretation of flaked stone technology. Students will develop skills in the identification, classification and recording of stone artefacts which are valuable in consultancy and research archaeology worldwide. Topics will include the origin and development of stone technology in world prehistory, the reductive nature of artefact manufacture, identifying artefact attributes, implement typology and theoretical links between artefacts and human behaviour.

5. Arts units of study

ARPH 2621 Scientific Analysis of Materials

8 credit points. Associate Professor Simon Ringer and Ms Wendy Reade. **Session:** Semester 2. **Classes:** Lecture/seminar 3 hrs/wk. **Prerequisites:** 12 Junior credit points in archaeology. **Assessment:** Four 1,500w assignments.

This unit examines the structure and properties of archaeological materials, with an emphasis on the methodology and approaches to scientific analysis. A range of analytical techniques, including spectroscopic and electron microscopy methods, is introduced. The accent is on archaeological applications, and assessment is by assignment and practical sessions.

ARPH 2701 Gender and Sexuality in Archaeology

8 credit points. Dr E Casella. **Session:** Semester 1. **Classes:** 3 hr/week. **Prerequisites:** 12 Junior credit points of Archaeology. **Assessment:** one 3000 word essay, one 1500 word seminar write-up, one 1500 word in-class test.

This course will introduce a variety of theoretical approaches used to explore gender and sexuality in the archaeological record. By juxtaposing classic studies with recent reinterpretations, we will analyse emerging feminist epistemologies within archaeology. International case studies drawn from both prehistoric and historic periods will be used to consider the role of material culture in the construction and maintenance of sexual subjectivities. Students will be required to participate in class discussions, produce oral presentations on reading materials, and complete written assignments.

ARPH 2702 Issues in Global Historical Archaeology

8 credit points. Dr E Casella. **Session:** Semester 1. **Classes:** 3 hr/week. **Prerequisites:** 12 Junior credit points of Archaeology. **Assessment:** one 3000 word essay, one 1500 word seminar write-up, one 1500 word in-class test.

This course will introduce students to the international development of historical archaeology since 1960. Because of its explicit links to historiography and documentary scholarship, historical archaeology enjoys a uniquely interdisciplinary perspective, and has been directly influenced by shifts in both anthropology and history. The current practice and international form of historical archaeology will therefore be explored in detail. Students will be required to participate in class discussions, produce oral presentations on reading materials, and complete written assignments.

ARPH 2801 Archaeology (Prehistoric & Historic) Exchange

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

ARPH 2802 Archaeology (Prehistoric & Historic) Exchange

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

ARPH 2803 Archaeology (Prehistoric & Historic) Exchange

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

ARPH 2807 Archaeology (Prehistoric & Historic) Exchange

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

ARPH 2808 Archaeology (Prehistoric & Historic) Exchange

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

ARPH 3902 Archaeological Research Principles II

8 credit points. Assoc Prof R Fletcher. **Session:** Semester 2. **Classes:** 2hr/wk (plus six Friday seminars). **Prerequisites:** 16 senior credit points of Archaeology at Credit level, including at least 8 Senior credit points of Prehistoric & Historical Archaeology. **Assessment:** one seminar write-up equivalent to 1,000w, one 7,000w essay.

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

The preparation, organisation and presentation of research with special focus on archaeological research design and literature review. This unit of study is designed to prepare students for research and the preparation of long essays and theses. In addition to formal classes students must also attend at least six Friday afternoon research seminars.

ARPH 3920 Archaeological Applications of Computing

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

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

Archaeologists make increasing use of databases, whether recording excavated material, museum collections, specialist datasets or sites on landscapes. Much archaeological data is also spatially located. This unit of study introduces the concepts of data description, data recording, database management, data analysis and computer mapping, including the use of Geographic Information Systems for spatial and environmental analysis. Readings, exercises and other information for this course are placed on a www site. Assessment tasks are

submitted electronically and students can use the Archaeological Computing Laboratory for this purpose. Students should be familiar with wordprocessing, spreadsheets and graphics. Places are limited.

ARPH 3921 Archaeological Practice

8 credit points. Dr M Gibbs. **Session:** Semester 2. **Classes:** 156 hours combining self-directed study, fixed weekly and/or intensive attendance at formal classes, and negotiated flexible attendance and participation in practical work sessions and workshops. May include some supervised workplace experience, subject to staff availability. **Prerequisites:** Credit+ results in 16 senior credit points of ARPH. Department permission required for enrolment. **Assessment:** 4,000w notebook and portfolio, attendance, in-class and on-line presentations and/or tests equivalent to 2,000w.

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

Introduction to archaeological research design and core hands-on practical work methods and skills through a structured programme of assessed practical work classes, workshops and hands-on sessions. The course may include some archaeological work experience placements, subject to staff availability. Preference may be given to students who have already gained some preliminary field or laboratory work experience, depending on limits of space, equipment and/or project places. To aid course administration can you please check the Archaeology Department website for information updates and register your interest and contact details with the Course Coordinator from mid Semester 1 2005 onwards. This does not commit you to enrolling, but it helps us greatly with planning given the flexible nature of the course.

ARPH 4011 Archaeology (Prehist/Historical) Hons A

12 credit points. A/Prof R Fletcher and Dr M Gibbs. **Session:** Semester 1, Semester 2. **Classes:** Sem 1: One 2hr class/wk, one 2hr weekly seminar; Sem 2: One 2hr weekly seminar. **Prerequisites:** a) CR+ results in 24 senior credit points of Archaeology, including ARPH3902 and CR+ results in 8 credit points from ARPH2501-2699 and/or ARPH3921. b) CR+ results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies, and/or Heritage Studies. **Assessment:** Semester 1: One 3000wd essay and one 5000wd essay; Semester 2: 20,000wd (max) thesis. Permission required for enrolment.

NB: 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:** Semester 1, Semester 2. **Corequisites:** ARPH4011. **Assessment:** See ARPH4011.

ARPH 4013 Archaeology (Prehist/Historical) Hons C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARPH4012. **Assessment:** See ARPH4011.

ARPH 4014 Archaeology (Prehist/Historical) Hons D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARPH4013. **Assessment:** See ARPH4011.

Art History and Theory

ARHT 1001 Art & Experience: The European Tradition

6 credit points. Dr Louise Marshall. **Session:** Semester 1. **Classes:** Two 1hr lectures and 1 1hr tutorial. **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 art and architecture in Western Europe from classical antiquity to the early modern period. A key focus will be on recognising the importance of the social, cultural, political and religious purpose an object or building was designed to serve, and the range of meanings the work was intended to embody - and how these change across time.

ARHT 1002 Modern Times: Art and Film

6 credit points. Dr Julian Pefanis. **Session:** Semester 2. **Classes:** Two 1hr lectures, one 1hr tutorial. **Assessment:** one 2000wd essay, one slide test, on-line quizzes.

This unit of study will focus upon the art and visual culture of the nineteenth and twentieth centuries, examining this historical period in relation to the thematic of the modern. Visual material studied will include film, design, architecture and costume. As with ARHT 1001, historical analysis will be combined with discussions of the different methodologies and approaches to the interpretation and study of these visual materials.

ARHT 1801 Art History and Theory Exchange

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

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

ARHT 2010 Art and Society in Trecento Italy

8 credit points. Dr Marshall. **Session:** Semester 2. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** One seminar paper, essay, 6000 words in total.

This unit of study will explore a range of alternative approaches to art produced in Italy during the late thirteenth and fourteenth centuries. Topics to be investigated include: problems of monographic analysis; the implications of contemporary workshop practice; civic, familial and princely patterns of artistic patronage; the meaning of Trecento 'naturalism'; alternatives to the 'Tuscanisation' of fourteenth-century art through a consideration of other centres such as Bologna, Rimini, Verona, Padua and Venice.

ARHT 2012 Baroque Courts

8 credit points. Dr Frank Heckes. **Session:** Semester 2. **Classes:** One 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** Essay, visual test, class work, 6000 words in total.

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. In 2005, the focus will be the courts of Spain and Flanders, and major Spanish and Flemish painters. Tutorials will involve a more careful examination of theoretical approaches to the expression of power, wealth and glory in visual form.

ARHT 2017 Art and Society in Victorian England

8 credit points. Dr Mary Roberts. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** One essay, one visual test, 6000 words in total.

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

ARHT 2018 French Art & Cultural Politics 1850-1900

8 credit points. Professor Roger Benjamin. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** Essay, 2hr slide test or written exercise, 6000 words in total.

This course treats a familiar area of French Art in terms of the cultural structures that allowed academic art, Realism, Impressionism, and Post-Impressionism to emerge. Mainstream art will be studied alongside emerging avant-garde spaces. The language of art criticism will provide a key to the politics of the painted surface and ethics of the female nude. Other topics for study will include nationalism, exoticism, and peripheral as opposed to metropolitan modernism.

ARHT 2031 Transformations in Australian Art

8 credit points. Dr. Catriona Moore. **Session:** Summer. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** Assessment: one project, one essay, one tutorial presentation, 6000 words in total.

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

ARHT 2033 Postwar Australian Art

8 credit points. Dr Catriona Moore. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** one essay, one tutorial paper, one 1hr slide test, 6000 words in total.

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 2036 Contemporary Indigenous Australian Art

8 credit points. Prof. Roger Benjamin. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** one essay, one visual test or written exercise, 6000 words in total.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This course studies the efflorescence of contemporary Aboriginal and Torres Strait Islander art, which makes up over half of today's Australian art market. While providing a grounding in major movements like Papunya Tula (from 1971) and bark painting in Arnhem Land, the focus will be on critical and theoretical issues affecting art practice today: questions of appropriation and copyright, the relationship of art to native title and reconciliation, the market for Indigenous art (from prestigious auctions to tourist shops), the politics of curatorial practice, the changing status of women artists, the Indigenous use and re-use of photography, and the relevance of post-modern and postcolonial theories in reading urban art. Key figures treated will include Tracy Moffatt, Gordon Bennett, Rover Thomas and Emily Kngwarreye. Certain classes will be conducted at the Art Gallery of New South Wales or the Museum of Contemporary Art. Lecturers will include prominent Indigenous curators and artists.

ARHT 2040 Modern and Contemporary Asian Art

8 credit points. Prof. John Clark. **Session:** Semester 1. **Classes:** 2hr lecture & 1hr tutorial/wk. **Prerequisites:** ARHT1001 & ARHT1002 or ASNS1001 & ASNS1002 or ASNS1001 & ASNS1101. **Assessment:** Essay, tutorial paper, 6000 words in total.

In Asia there has developed both the nationalist art of a series of modernising states and a counter-establishment art which has frequently been formally modern. Students will learn how to analyse art works and institutions in terms of critical notions of modernity which arise in these Asian contexts but which do not require projection from outside. Focus will chiefly be on China, Hong Kong, Taiwan and India since the 1850s. Other examples will be drawn from Japan, Thailand and Indonesia.

Textbooks

A course reader will be available.

ARHT 2041 Art and Archaeology of South East Asia

8 credit points. Associate Professor Roland Fletcher [Cambodia, archaeology]; Professor John Clark [Thailand, art history]. **Session:** S1 Intensive. **Classes:** In-Country unit of study, Southeast Asia January 2005. **Prerequisites:** The pre-requisites are any of ARHT 1001 & 1002, ASNS 1001 & 1002, ARPH 1001 & 1003 or ARPH 1001+ 1002. **Assessment:** one paper to be presented in the first week of Semester One 2005 plus a long essay to be presented in week 6 of Semester One 2005, 6000 words in total.

NB: Fieldwork will be taught at Angkor Wat with daily on-site presentations by Associate Professor Roland Fletcher, and in Thailand by Professor John Clark. There will be oral presentations by students on specified evenings in both the Angkor and Thai modules. All students must register with the department by early November 2004 if they are going to take this module. Travel and accommodation costs only will be charged at about \$3,500. (This course is taught as an ordinary senior unit of so there are no Summer School or other special fees for this course).

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

Textbooks

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

ARHT 2044 Asian Film Studies

8 credit points. Prof John Clark, with Dr Wang Yiyan (Chinese) and Dr Yao Souchou (Anthropology). **Session:** Semester 2. **Classes:** 1.5 hr lecture, 2-hr directed viewing, 1 tutorial/week. **Prerequisites:** Either ARHT1001 & ARHT1002 or ASNS1001 & ASNS1002 or ASNS1001 & ASNS1101 or ANTH1001 & ANTH1002 or ANTH1003 & ANTH1004. **Assessment:** One essay, one film analysis, 6000 words in total.

Asian cinema will be studied via films from Japan, China, and Hong Kong. Students will learn how to analyse a film in terms of its cultural background and specific film history context. Topics include melodrama in Japan, representing war, defeated heroes in Kurosawa, types of narrative in Ozu and Naruse, violence in the Japanese new wave, the Chinese fifth generation, problems of representing women, violence in Hong Kong Cinema.

[This unit is recognized as part of the new Film Studies Major.]

Textbooks

A course reader will be available.

ARHT 2056 National and Transnational Cinemas

8 credit points. Dr Richard Smith. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial, 2-3 hour film screening. **Prerequisites:** ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL1005 (for Film Majors). **Assessment:** Essay and film analysis (total 6,000 words).

This Unit of Study investigates the problem of national cinema in terms of cultural specificity, identity and difference. The cinematic

5. Arts units of study

production of different nations will be compared in ways that draw out the various dimensions of the overall problem of the relation of cinema to the nation, of cinematic nationalism, and of cinema to existent and emergent cultural forms. One problem for national cinemas is that production is geographically dispersed and formally divergent. A film that is in production can exist not only in several forms, for instance, in analogue and digital forms, but can also be in production in different places and at different stages of production, pre-production and postproduction, at the same time. A key issue, then, is how national cinemas have responded, and continue to respond to globalised, transnational film production and distribution, and to the ever-present demand for technological and aesthetic renewal. If a film does not exist in any one form or be present in any one place how can it be said to belong to a national context?

ARHT 2057 Contemporary Hollywood

8 credit points. Dr Richard Smith. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial, 2-3 hour film-screening. **Prerequisites:** ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL1005 (for Film Majors). **Assessment:** Essay and film analysis (total 6,000 words).

This Unit of Study will investigate the last two decades of the cinema of the USA, including Hollywood. Students will be introduced to the work of a number of established and emerging American filmmakers, to the work of a number of important film critics, and to issues concerning the theory and practice of film criticism. Critical and analytical focus will centre on the changing relation of subjectivity and time in independent cinema. Films that explore questions of subjectivity and that experiment with narrative structure will be featured.

ARHT 2060 Masterpieces and Metapictures

8 credit points. Dr Julian Pefanis. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** one essay, one tutorial paper, classwork, 6000 words in total.

Throughout the 20th century certain key pictures from Lascaux to Brillo Boxes have provided a focus for critical and philosophical reflection and debate. This Unit of Study is designed to examine these debates in some detail and is a survey of aesthetic objects that have been taken up by 20th century philosophy and theory. Many of these pictures are what were once considered to be masterpieces; those that are not have at least become canonical, if only through the philosopher's interest in them. Foucault's *Las Meninas* (Velasquez) is the archetype of this picture. To this we would add his *This is not a Pipe* (Magritte), Louis Marin's *Et in Arcadia Ego* (Poussin), Freud's *Moses* (Michelangelo), Steinberg's *Demoiselles* (Picasso), Lacan's *The Ambassadors* (Holbein), Lyotard's *Large Glass* and *Given* (Duchamp), Heidegger's *Shoes* (Van Gogh), *Batailles Lascaux* (anonymous), and no doubt *Deleuze's Innocent X* (Bacon), and others, starting out with the *Urtext* of the genre, *Pliny's Grapes* (Zeuxis). The Unit of Study will be organised around the examination of one of these pictures and the attendant criticism per week.

ARHT 2071 Orientalism and Visual Culture

8 credit points. Prof. Roger Benjamin/Dr. Luke Gartlan. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** ARHT 1001 and ARHT 1002. **Assessment:** one essay, one visual test or written exercise, 6000 words in total.

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

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

ARHT 2072 Nation Building-Australian/American Arts

8 credit points. Dr. Jennifer Milam and Dr. Catriona Moore. **Session:** Summer, Semester 1. **Classes:** 2hr lecture and 1 tutorial/wk; occasional 2 hr film revision. **Prerequisites:** ARHT 1001 and ARHT 1002 or permission of course coordinator. **Assessment:** One essay, 3hr visual test, 6000 words in total.

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

This course considers the role of the visual arts in building an idea of nationhood in America and Australia from their founding as colonies through the beginning of the twentieth century. It addresses the aims of portraiture, the meanings of landscape, the rise of genre subjects and the significance of architectural projects in the contexts of relationships with Britain, claims of independence and in response to pivotal wars and moments of dramatic social change.

ARHT 2072 Nation Building-Australian/American Arts

8 credit points. Dr. Jennifer Milam and Dr. Catriona Moore. **Session:** Summer, Semester 1. **Classes:** 2hr lecture and 1 tutorial/wk; occasional 2 hr film revision. **Prerequisites:** ARHT 1001 and ARHT 1002 or permission of course coordinator. **Assessment:** One essay, 3hr visual test, 6000 words in total.

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

This course considers the role of the visual arts in building an idea of nationhood in America and Australia from their founding as colonies through the beginning of the twentieth century. It addresses the aims of portraiture, the meanings of landscape, the rise of genre subjects and the significance of architectural projects in the contexts of relationships with Britain, claims of independence and in response to pivotal wars and moments of dramatic social change.

ARHT 2801 Art History and Theory Exchange

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

NB: 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 Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT 2802 Art History and Theory Exchange

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

NB: 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 Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT 2803 Art History and Theory Exchange

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

NB: 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 Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT 2807 Art History and Theory Exchange

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

NB: 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 Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT 2808 Art History and Theory Exchange

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

NB: 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 Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

ARHT 2901 Recent Approaches to Art and Film

8 credit points. Dr Keith Broadfoot. **Session:** Semester 1. **Classes:** 2hr lecture & 1hr tut/wk. **Prerequisites:** 16 Senior credit points in Art History and Theory with a Credit average. **Assessment:** One essay, one tutorial paper and presentation, 6000 words in total.

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

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

ARHT 4011 Art History and Theory Honours A

12 credit points. Jennifer Milam - Honours Coordinator. **Session:** Semester 1, Semester 2. **Classes:** Two-hour seminars. **Prerequisites:** 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 ARHT2901 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.

NB: Department permission required for enrolment.

Seminar Units:

NOTE: These courses are based on weekly two-hour seminars. Students are required to submit written work totalling 5000-6000 words for each option.

(a) **Boucher and the Rococo.** This unit examines the origins and development of the Rococo style in eighteenth-century France, with a specific focus on the art of Francois Boucher in 2005. Several of the seminars will be held at the Art Gallery of New South Wales, to work closely with the drawings and engravings on display as part of the Boucher exhibition from the collections of the Ecole des beaux-arts in Paris. Themes to be explored include the relationship between rococo ornament and organic form, decoration and interiors, anti-academicism, the role of the patron, the function of drawings in artistic practice, landscape and the pastoral, art criticism and issues of reception.

(b) **Film Theory: Art, Industry, Culture.** The relation of film to industrial modernity is an ongoing issue for film theorists. With the advent of digital image processes and production the relation of art and industry has re-emerged with a new set of problems. How do we conceptualise the new forms? What theoretical and aesthetic language

(s) do we draw on? And how best to rethink film in the face of rapid technological, formal and cultural change? These issues will be investigated via an examination of the history of film theory's attempts to formulate concepts adequate to the age of industrial modernity

(c) **Cross-Cultural Art.** This unit explores major issues and debates in the study of cross-cultural art. A central focus is the examination of contemporary art in relation to its colonial heritage. The theoretical issues that inform this subject include: the relationship between aesthetics and politics, post-colonialism and feminism, questions of cultural agency and resistance, the structure and operation of the colonial stereotype, cultural hybridity, cross-cultural borrowing and appropriation. Students should complete the subject with an understanding of both the broad theoretical issues and the historical/regional specificity of cross-cultural art forms.

(d) **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.

(e) **Critical Surrealism.** 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.

(f) **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.

(g) **Theories of the Arts 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.

(h) **The Study of Works of Art as Physical Objects.** This course introduces students to object-based skills and issues in the history of art. It considers issues and problems related to connoisseurship, conservation, display, and interpretation in the context of museums

and art galleries. The course also provides an introduction to the materials and techniques of art production. Much of the material is presented on-site by curators of the Art Gallery of NSW. Assessment is by an acquisition report, along with a plan and catalogue essay for an exhibition proposed by the student.

ARHT 4012 Art History and Theory Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARHT4011. Refer to ARHT 4011

ARHT 4013 Art History and Theory Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARHT4012. Refer to ARHT 4011

ARHT 4014 Art History and Theory Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ARHT4013. Refer to ARHT 4011

Arts Informatics

ARIN 1000 History and Theory of Informatics

6 credit points. Ms Cleland. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Corequisites:** ISYS1003 or INFO1000 or INFO1003. **Assessment:** 1500wd essay, 1500wd tutorial presentation, in-class test and tutorial participation.

Today we live in an "Information Age" where computer-based information technologies, from the Internet and e-commerce to virtual reality and computer games, have revolutionised the way we live, work, communicate and entertain ourselves. In this subject we will closely examine the political, historical, social, cultural and aesthetic dimensions of this information revolution

Textbooks

Set text: the ARIN1000 Course Reader

ARIN 2000 Research Methods in IS, Humanities & Soc

8 credit points. Ms Crowe. **Session:** Semester 2. **Classes:** one 2hr Lecture, one 1hr Tutorial. **Prerequisites:** ARIN 1000 and either ISYS1003 or INFO1000 or INFO1003. **Assessment:** Research proposal 3000wds, Essay 2000wds and tutorial participation.

NB: Available to BA Informatics students only.

This unit aims to develop systems thinking in approaching the research methodologies and methods used in the humanities and social sciences, including the collection, analysis and interpretation of data and evidence. An emphasis will be placed on the development of a critical engagement with current debates in research methodology, including issues such as: the use of theory in the research process; ethical issues which may arise during the research process; and an examination of contemporary debates concerning the production and interpretation of knowledge. Students will be introduced to a range of qualitative and quantitative forms of analyses in common usage throughout information systems, humanities and social sciences. Approaches include participative methods, interviews, surveys, focus groups, content analysis and case studies.

Textbooks

Set text: the ARIN2000 Course Reader

ARIN 2100 Web Tools

8 credit points. Ms Cleland and Mr Tonkin. **Session:** Summer, Semester 1, Semester 2. **Classes:** One 1 hr Lecture; one 2hr seminar/workshop. **Prerequisites:** 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).

NB: Available to students enrolled in the BA Informatics and 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 2200 Cyberworld: Sex, Race and Community

8 credit points. Ms. Crowe. **Session:** Semester 1. **Classes:** One 2hr lecture and one 1hr tutorial. **Prerequisites:** 18 junior credit points. **Assessment:** Essay (1500 words); tutorial presentation (equivalent 1500 words); research project (3000 words).

NB: Available to students enrolled in the BA Informatics and BA students

The relationship between online and face-to-face encounters is attracting the attention of writers from many different disciplines. Are online, or virtual, encounters different from face-to-face encounters? Are online communities 'real' communities? This unit of study introduces students to key perspectives, themes and debates in the expanding world of cyberspace and cyberspace communities. Students will examine issues such as online pornography, sex, gender and race in relation to notions of identity, self, power and 'deviance' in cyberspace, and investigate the national and global production and assumptions of cyberworlds.

ARIN 2300 Digital Arts

8 credit points. Ms. Cleland. **Session:** Semester 2. **Classes:** One 2hr lecture/seminar and one 1hr tutorial. **Prerequisites:** 18 junior credit points. **Assessment:** Essay (2000 words); research project (2,500 words); tutorial presentation (1500 words).

5. Arts units of study

NB: Available to students enrolled in the BA Informatics and BA students. May be cross-listed for an Art History and Theory major.

This unit of study aims to introduce students to a diverse range of art practices utilising new digital media including: interactive art works, digital media installations, net art and art and science projects. Students will learn about the aesthetic and technical possibilities of new digital technologies and will develop the critical and analytical tools with which to discuss and evaluate digital art works.

Textbooks

Readings/References: Set text: the ARIN2300 Course Reader

ARIN 3000 Technocultures

8 credit points. Ms Cleland. **Session:** Semester 1. **Classes:** one 2hr lecture and one 1hr tutorial. **Prerequisites:** 18 junior credit points. **Assessment:** One 2000 word essay; one 2500 word research project; tutorial presentation (1500 words) and participation.

NB: Available to students enrolled in BA Informatics

Technological developments have 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 information and communication technologies (ICTs).

Textbooks

Set text: the ARIN3000 Course Reader

ARIN 3500 Arts Informatics Project I

8 credit points. Ms K Cleland. **Session:** Semester 1. **Classes:** One 2 hr seminar/workshop; group consultations with supervisor. **Prerequisites:** ISYS3113, ISYS3207 and ARIN2000. **Assessment:** Project Proposal; Informatics Object Review; Research Essay; Project Presentation.

NB: Available to BA Informatics students only

This Unit of Study has been designed to give students in the Bachelor of Arts Informatics program the opportunity to apply and develop the skills and knowledge they have gained in their Information Systems major and to demonstrate these skills in a project in the field of their Arts major or, with approval, in other departments or centres inside or outside of the university.

ARIN 3600 Arts Informatics Project II

16 credit points. Ms C Crowe and Ms K Cleland. **Session:** Semester 2. **Classes:** One 2 hr seminar/workshop; group consultations with supervisor. **Prerequisites:** ISYS3113, ISYS3207 and ARIN2000. **Assessment:** Project Proposal; Informatics Object Review; Research Essay; Project Presentation; Project Report.

NB: Available to BA Informatics students only

This Unit of Study has been designed to give students in the Bachelor of Arts Informatics program the opportunity to apply and develop the skills and knowledge they have gained in their Information Systems major and to demonstrate these skills in a project in the field of their Arts major or, with approval, in other departments or centres inside or outside of the university.

Asian Studies

ASNS 1001 Modern Asian History and Cultures 1

6 credit points. TBA. **Session:** Semester 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:** Semester 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:** Semester 1. **Classes:** Two lectures, one tutorial/wk. **Assumed Knowledge:** No prior knowledge is assumed. All teaching and all assigned readings are in English. **Assessment:** Classwork (20 %); informal writing assignment(s), e.g. workbook (20%); two 1500-word essays (25% and 35%).

A broad-ranging, chronologically-arranged introduction to Chinese civilisation from prehistory to recent times. Readings will include representative philosophical, literary and religious works in English translation. Social science perspectives will be introduced through lectures/tutorial readings on social history, kinship structure, modern

change, etc. This unit of study will provide a foundation for more advanced work in Chinese studies.

Textbooks

Cyril Birch, comp. *Anthology of Chinese Literature*. Vol. 1. New York: Grove Press, 1965.

Anthology of readings available 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:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ASNS 2118 Remaking Chinese Society, 1949-2000

8 credit points. Dr Bray. **Session:** Summer, Semester 2. **Classes:** Two lectures, one tutorial/wk. **Assumed Knowledge:** Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (e.g., Edwin E. Moise. *Modern China: A History*. Second edition. Longman, 1994) before the start of the semester. **Prerequisites:** 12 junior credit points in Asian Studies or an Asian language or Government, History, Economic History, Economics, Sociology or Anthropology, or in any combination of the above. **Assessment:** Classwork (20%); 3000-word essay (35%); oral presentation based on work for essay (15%); other writing assignments, which may include at least one test (total of 3000 words or equivalent; 30%).

NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Please note that the information provided here is intended to apply to the version of this unit offered in the regular semester. Appropriate adjustments are made for the Summer School version.

The history of the People's Republic of China comprises two periods. In the Maoist era (1949-1978), the Communist-led government attempted to build a centrally planned, socialist society in which politics dominated people's daily lives. In the post-Mao era (since 1978), by contrast, the socialist institutions have mostly been dismantled in pursuit of a market-based alternative. This unit of study explores key social, political, cultural and economic features of both periods and analyses the problems and paradoxes of transition.

Textbooks

Maurice Meisner. *Mao's China and After: A History of the People's Republic*. Third edition. New York: Free Press, 1999.

Anthology of readings available from the University Copy Centre.

ASNS 2212 Six Schools: Classical Indian Philosophy

8 credit points. Dr Peter Oldmeadow. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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. Dr. Ansart. **Session:** Semester 2. **Classes:** 2 lectures and 1 tutorial/wk. **Prerequisites:** 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.

NB: 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:** Semester 1. **Classes:** 3hrs/wk (2 lectures, 1 tutorial). **Prerequisites:** 12 Junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian language. **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 2308 Modern Japanese Social History

8 credit points. A/Prof Elise Tipton. **Session:** Semester 2. **Classes:** 3 hr/wk (2 lectures, 1 tutorial). **Prerequisites:** 12 Junior credit points in Asian Studies, History, Economic History, Government and Public Administration and/or an Asian language. **Assessment:** 2000 word essay, exam, tutorial presentation, class test.

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

This unit of study will begin with an examination of the social aspects of the Meiji reforms, evaluating interpretations of their aims and effects. The focus will then turn to the emergence of new social forces in the twentieth century, such as industrial workers, an urban middle class and a women's movement. We will also explore changes in daily life and attitudes to work and leisure as urbanisation and industrialisation progressed and assess the effects of the Second World War and the Occupation.

ASNS 2313 Buddhist Philosophy

8 credit points. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 2 lectures & 1 tutorial/wk. **Prerequisites:** 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. Dr Aspinall. **Session:** Semester 1. **Classes:** 3hrs/wk (2 lectures, 1 tutorial). **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language. **Assessment:** 1000 word tutorial paper (20%); 3000 word essay (40%); 2 hour exam or equivalent (30%); class participation (10%).

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

This unit examines the history of Indonesia, the 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 2402 Islam, Trade & Society-Arabia to SE Asia

8 credit points. Professor Worsley, A/Professor Shboul. **Session:** Semester 2. **Classes:** 3hrs/wk (2 lectures, 1 tutorial). **Prerequisites:** 12 Junior credit points in Arab World, Islam and the Middle East, Asian Studies, History, Economic History, Government and Public Administration and/or an Asian Language. **Assessment:** One 3000w essay, class presentation, one 3-hour exam.

This unit of study will examine the commercial, religious and cultural relations between the Islamic world of West Asia and Southeast Asia between the ninth and eighteenth centuries. Some attention will be paid to the role of India in these relationships. The unit of study will explore the development of Islamic commercial, political, religious and social ideas and practices in West Asia and examine the economic, political, religious and social conditions associated with the localisation of these ideas and practices in Southeast Asia in this period.

ASNS 2416 Southeast Asian Dictators & Democracies

8 credit points. TBA. **Session:** Semester 2. **Classes:** 3hrs/wk (2 lectures, 1 tutorial). **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian Language. **Assessment:** 1000 word tutorial paper (20%); 3000 word essay (40%); 2 hour exam or equivalent (30%); class participation (10%).

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

This unit examines post-World War II Indonesia, Thailand, Malaysia, Singapore, Burma and the Philippines. It focuses on the emergence of varied forms of authoritarian and semi-authoritarian rule from the 1950s, and, from the 1980s, growing pressures for more democratic government. We will investigate a range of approaches for studying authoritarianism and democratisation in the region, including those which emphasise political culture and tradition, economic growth and crisis, political elites, class conflict, civil society and globalisation.

ASNS 2501 Traditional Korea

8 credit points. Dr Pankaj Mohan. **Session:** Semester 1. **Classes:** 3 hr/wk (2hr lec & 1hr tutorial). **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian language. **Assessment:** Two short quizzes, tutorial presentation, one 3000 word essay and two hours of formal examination.

The course aims at providing an overview of Korea's historical experience in political, social, cultural and economic fields from the earliest times to the seventeenth century. Among the specific topics to be discussed are prehistory, 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.

Textbooks

Carter J. Eckert, et. al., Korea Old and New: A History (Seoul: Ilchokak Publishers)

ASNS 2502 Modern Korea

8 credit points. Dr Pankaj Mohan. **Session:** Semester 2. **Classes:** 3 hr/wk (2hr lec & 1hr tutorial). **Prerequisites:** 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 2511 Mass Media in Korea

8 credit points. Dr Ki-Sung Kwak. **Session:** Summer. **Classes:** 3 hr/wk (2hr lec & 1hr tutorial). **Prerequisites:** 12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language. **Assessment:** 1000w tut paper, 3000w essay, and final exam.

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

This unit of study introduces students to the media industry, processes, policies and practices in South Korea by examining the historical development and operational practice of mass media in Korea. In addressing the topics, the main features of Korean media are discussed and compared with those in other Asian countries and in Western countries, eg. the USA, the UK and Australia. This unit also looks at Korean media within the context of regionalisation and internationalisation, which emerged with the introduction of new communication technologies. The major topics include the development of mass media and foreign influence, the social and cultural role of the media, state control over the media and its relationship with the media, and new media technology and its impact on current media structure and on Korean society. This unit does not assume prior knowledge of media studies, although it would be an advantage.

ASNS 2600 Mass Media in East Asia

8 credit points. Dr Ki-Sung Kwak. **Session:** Semester 1. **Classes:** 3 hrs/wk (2 hr lec & 1 hr seminar). **Prerequisites:** 12 junior credit points in Asian Studies, Media Studies, History, Economic History, Government and/or an Asian language. **Assessment:** One 2500 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 2700 Australia & Asia: Ripples & Reflections

8 credit points. Dr. Ki-Sung Kwak. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** 12 junior credit points in Asian Studies, History, Government and International Relations, and/or an Asian language. **Assessment:** one 2,500 word essay; one tutorial presentation and 1,000 word paper; one 2 hour exam; in class activities equivalent to 500 words of written work.

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

Is Australia a part of Asia? This unit will give students an understanding of Australia's interaction with Asia from the late nineteenth century to the present. The focus will be primarily on cultural interaction and representations in the media and popular culture. Students will analyse representations in the light of empirical evidence and present their own interpretations of contemporary developments. They will also develop an understanding of the impact of broader regional and international concerns and relationships on countries in Asia.

ASNS 2801 Asian Studies Exchange

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

5. Arts units of study

ASNS 2802 Asian Studies Exchange

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

ASNS 2803 Asian Studies Exchange

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

ASNS 2804 Asian Studies Exchange

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

ASNS 2807 Asian Studies Exchange

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

ASNS 2808 Asian Studies Exchange

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

ASNS 3601 Asian Studies 3A (Japanese)

4 credit points. Ms Yasumoto. **Session:** Semester 1. **Prerequisites:** ASNS 2604.
Students attend classes for either JPNS 2201 (see relevant course description) or one Japanese Studies elective unit of study (consult School of Asian Studies).

ASNS 3602 Asian Studies 3B (Japanese)

4 credit points. Ms Yasumoto. **Session:** Semester 2. **Prerequisites:** ASNS3601.
Students attend classes for either JPNS 2202 (see relevant course description) or one Japanese Studies elective unit of study (consult School of Asian Studies).

ASNS 3902 Approaches to Research in Asian Studies

4 credit points. Dr Olivier Ansart. **Session:** Semester 2. **Classes:** 2 hour seminar per week. **Prerequisites:** Credit or better average in 24 senior Asian Studies units of study. **Assessment:** 1000 word essay, 2000 word thesis proposal, class presentation, class performance.

This unit is intended to train students to select and evaluate an area of research in Asian 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 to choose a theoretical model appropriate to their proposed research project.

ASNS 4011 Asian Studies Honours A

12 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ASNS 4012 Asian Studies Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ASNS4011.

ASNS 4013 Asian Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ASNS4012.

ASNS 4014 Asian Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ASNS4013.

Australian Literature

ASLT 2001 Australian Literature 1920-1960

8 credit points. Dr. Rowe (Coordinator), Prof. Webby. **Session:** Semester 1. **Classes:** Two 1 hr lectures, one 1 hr tutorial/week. **Prerequisites:** 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. For Love Alone. Angus & Robertson

Tranter J, Mead P, eds. The Penguin Book of Modern Australian Poetry. Penguin

ASLT 2002 Australian Literature 1960-1988

8 credit points. Dr Brennan (Coordinator). **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial/week. **Prerequisites:** 18 Junior credit points. **Assessment:** One 2000 wd essay (mid-semester, 30%), one 4000 word take-home exam (end-of-semester, 60%), tutorial presentation (10%).

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

This Unit of Study aims to introduce some of the key writers of this period. It will also encourage students to develop reading skills appropriate to different genres and to acquire an awareness of issues,

movements and critical debates that have been central to the development of recent Australian literature.

Textbooks

Anderson, J. Tirra Lirra by the River

Carey P. Collected Stories. UQP

Garner H. My Hard Heart. Penguin

Hazzard S. The Transit of Venus. Viking

Moorhouse F. Selections from The Americans, Baby and The Everlasting Secret Family

Mudrooroo, Wildcat Falling. Angus & Robertson

Stow R. Tourmaline. UQP

White P. The Solid Mandala. Vintage

Tranter/Mead: The Penguin Book of Modern Australian Poetry. Penguin

NB: The course reader will include Tirra Lirra by the River, selections of the Moorehouse and Garner short stories, and Indigenous poetry.

ASLT 2005 Reorientations in Australian Literature

8 credit points. Dr. Noel Rowe (Coordinator), Dr. Bernadette Brennan. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial/week. **Prerequisites:** 18 Junior credit points. **Assessment:** One 1500 word essay (mid-semester, 30%), one 4000 word take-home exam (end-of-semester, 60%) and one tutorial presentation (10%).
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

Through a reading of Australian fiction, film and poetry, this unit examines the nature, place and function of China, Southeast Asia and the South Pacific in the Australian literary imagination. Its intention is at once to give students a broad acquaintance with such works and an introduction to the poetics of trans-cultural perception which those works wittingly or unwittingly manifest.

Textbooks

Castro, B. Shanghai Dancing. Giramondo

Drewe R. A Cry in the Jungle Bar. Picador

Gerster, R. Hotel Asia. Penguin

Koch C.J. The Year of Living Dangerously. Grafton

[Additional works to be advised]

Resource book.

ASLT 2016 Australian Stage and Screen

8 credit points. Dr. Noel Rowe (Coordinator), Prof. Webby, Dr. Brennan. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1 hr tutorial/week. **Prerequisites:** 18 Junior credits points. **Assessment:** 1500 wd essay, (mid-semester, 30%), 4000 wd take home exam, (end of semester, 60%) & one tutorial presentation (10%).
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

A study of the development of Australian drama and film from 1788 to the present.

Textbooks

Bailey, On Our Selection Currency

Darrell, The Sunny South Currency

Davis, The Dreamers Currency

Esson, The Time is Not Yet Ripe Currency

Hewett, Collected Plays Vol. 1 Currency

Lawler, Summer of the Seventeenth Doll Currency

Nowra, The Golden Age Currency

Prichard, Brumby Innes Currency

The Unit includes a special study of different film versions of Steele Rudd's On Our Selection.

Other films to be discussed include: Picnic at Hanging Rock, The Club, The Boys, Cosi and Lantana.

ASLT 3901 Australian Literature Research Methods

4 credit points. Professor Webby. **Session:** Semester 1. **Classes:** 1.5 hours per week. **Prerequisites:** 16 Senior credit points in Australian Literature with Credit average. **Corequisites:** ASLT 3902. **Assessment:** Assignments and essays to total of 3000 words.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This seminar aims to prepare students for the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

ASLT 3902 Australian Literature Research Issues

4 credit points. Prof. Webby. **Session:** Semester 2. **Classes:** 1.5 hours per week. **Prerequisites:** 16 Senior credit points in Australian Literature with Credit average. **Corequisites:** ASLT 3901. **Assessment:** Assignments and essays to total of 3000 words.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This seminar aims to prepare students for the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

ASLT 4011 Australian Literature Honours A

12 credit points. Professor Webby, Dr Brennan, Dr Indyk, Dr Rowe, Dr van Toorn. **Session:** Semester 1, Semester 2. **Classes:** Students will take four semester units of study. In addition to the Australian Literature Semester Options, students may also choose up to two semester units of study from those offered for the MA program or for English IV. **Prerequisites:** Credit or above in 48 Senior credit points in Australian Literature including ASLT 3901 and 3902 (may include up to 16 Senior credit points of English). **Assessment:** All students will submit a long essay on a topic to be approved. Essays are 17,000 words in length, and are due on Monday 17 October 2005. Each semester option is assessed by a 4000 word essay.

NB: Department permission required for enrolment.

Journeys of Healing

Dr Brennan. Semester 1. Classes: 2 hrs per week.

This Unit of Study is designed to introduce some complex, (largely) contemporary, Australian texts and films that deal in various ways with traumatic journeys through physical and psychological landscapes towards a sense of personal reconciliation.

Texts:

Randolph Stow, *To the Islands* (1958)

Eva Sallis, *Hiam* (1998)

Kim Mahood, *Craft for a Dry Lake* (2000)

Tim Winton, *Dirt Music* (2001)

Kim Scott, *Benang: From the Heart* (1999)

Alex Miller, *Journey to the Stone Country* (2002)

Rosie Scott, *Faith Singer* (2001)

Inga Clendinnen, *Tiger's Eye* (2000)

Films:

Japanese Story (2003)

Yolngu Boy (2000)

Beneath Clouds (2002)

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 Postmodernism

Dr N. Rowe. Semester: 2. Classes: 2 hours per week.

This seminar examines a range of Australian texts in the light of postmodern questions. Among the issues to be explored are: unwriting meta-narratives; writing and/as re-writing; the death of the author/birth of the reader; alliances of textuality, truth and power; discursive (de)constructions of the subject; relations between the post-modern and the postcolonial.

Texts::

Brennan M. *The Imageless World*. Salt

Carey P. *My Life as a Fake*. Random House

Castro B. *Shanghai Dancing*. Giramondo

Jones, G. *Black Mirror*. Picador

Lilley, K. *Versary*. Salt

Modjeska D. *Poppy*. Penguin

Porter D. *The Monkey's Mask*. Hyland House

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.

The Uses of Irony

Dr Indyk. Semester: 2. Classes: 2 hours per week

Irony is often seen as the powerhouse of literature, the generator of meanings, the interrogator of assumptions and values. Australian literature is rich in irony, as are the conditions of Australian life.

This seminar will focus on a number of Australian authors noted for their irony, as a way of gaining an insight into the broader uses of irony as an instrument both of scepticism, and of belief.

Texts will include:

Henry Lawson, *Short Stories*

Henry Handel Richardson, *Fortunes of Richard Mahoney*

Katharine Susannah Prichard, *Working Bullocks*

Kenneth Slessor, *Poems*

Patrick White, *The Solid Mandala*

Antigone Kefala, *Absence: New and Selected Poems*

John Forbes, *Selected Poems*.

ASLT 4012 Australian Literature Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ASLT4011.

Refer to ASLT4011

ASLT 4013 Australian Literature Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ASLT4012.

Refer to ASLT4011

ASLT 4014 Australian Literature Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ASLT4013.

Refer to ASLT4011

Australian Studies

ASTR 2001 Australia: Land and Nation

8 credit points. Dr Rooney & others. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour tutorial. **Prerequisites:** 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%).

NB: 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 Australian Film and National Identity

8 credit points. Dr Rooney and others. **Session:** Semester 2. **Classes:** One 2 hour Lecture and one 1 hour tutorial. **Prerequisites:** 18 Junior Credit Points. **Assessment:** One 1500 wd essay (25%); one class presentation (25%); one 2000 wd final essay plus one 1500 wd journal (40%); and class participation (10%).

NB: 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 Co-ordinator: L Davey. **Session:** Semester 1. **Classes:** 3 hours per week. **Assessment:** One examination 30%; one 2000 word essay 30%; other written assignments and assessments 40%.

This course unit provides an introduction to the study of the Bible including:

- textual, literary and structural criticism;
- the relevance of other academic disciplines to the study of the Bible;

5. Arts units of study

- 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 Co-ordinator: L Davey. **Session:** Semester 2. **Classes:** 3 hours per week. **Assessment:** One examination 30%; one 2000 word essay 30%; other written assignments and assessments 40%.

This semester the focus is specifically on books of the Hebrew Bible such as Judges, Samuel and Kings. The course explores events of the period, the historiography of the texts, and religious and historical viewpoints conveyed. Attention will be directed to other relevant writings of the period in the Ancient Near East. There are weekly tutorials at which students present papers.

BBCL 2005 Literature of Second Temple Judaism

8 credit points. Course Co-ordinator: Dr Shani Berrin. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** BBCL 1001, BBCL 1002. **Assessment:** 2500 word essay 30%, weekly tutorial preparation and participation and one presentation and report 30%, examination 40%.

NB: The program offers a full major: the other two senior units, Biblical Studies 3 (BBCL2003) and Biblical Studies 4 (BBCL2004) will be offered in 2006.

This unit considers a range of biblical and extra-biblical texts composed during the Second Temple period (500 BCE - 100 CE). Students will read and analyse English translations of works originally composed in Hebrew, Aramaic and Greek. We will employ a multifaceted critical approach to these texts, analysing them as (1) literary compositions, (2) primary sources for historical inquiry and (3) religious writings that 'bridge' the Hebrew Bible with both rabbinic Judaism and early Christianity.

BBCL 2006 Jewish Apocalyptic Literature

8 credit points. Course Co-ordinator: Dr Shani Berrin. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** BBCL 1001, BBCL 1002. **Assessment:** 2500 word essay 30%; weekly tutorial preparation and participation and one presentation and report 30%; examination 40%.

NB: The program offers a full major: the other two senior units, Biblical Studies 3 (BBCL2003) and Biblical Studies 4 (BBCL2004) will be offered in 2006.

This unit considers biblical and extra-biblical apocalyptic writings of the Second Temple period (ca 500 BCE - 100CE). Apocalyptic works are concerned with the revelation of transcendent knowledge, especially eschatology and the nature of the heavenly realm. Texts will include the Book of Daniel from the Hebrew Bible, extra-biblical works such as the Book of Enoch and, from the Christian Scriptures, the Book of Revelations. We will examine the development of the literary form of the apocalypse, and explore how these texts express religious, socio-cultural, and historical developments of the period.

BBCL 4011 Biblical Studies Honours A

12 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

BBCL 4012 Biblical Studies Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** BBCL4011.

BBCL 4013 Biblical Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** BBCL4012.

BBCL 4014 Biblical Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** BBCL4013.

Chinese Studies

CHNS 1101 Beginning Chinese (1)

6 credit points. Dr D. Herforth. **Session:** Semester 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. **Corequisites:** Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. **Assessment:** (Subject to revision) classwork (10%); oral exercises (e.g., role play exercises, interview) (25%); two major tests (20% each); shorter tests, quizzes and other language exercises (25%).

NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.

Introduction to Modern Standard Chinese for beginners. Foundation work on pronunciation, pinyin romanisation, elementary grammar and the Chinese writing system will be followed by an integrated program of grammar learning, vocabulary development and training in the skills of listening and speaking. Students will learn to read and write approximately 350 characters.

Textbooks

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. Dr Y. Wang. **Session:** Semester 2. **Classes:** Consult department. **Assumed Knowledge:** One semester of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** CHNS 1101. **Assessment:** (Subject to revision) classwork (10%); oral exercises (e.g., role play exercises, interview) (25%); two major tests (20% each); shorter tests, quizzes and other language exercises (25%).

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.

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. Dr E. U. **Session:** Semester 1. **Classes:** Four hours per week. **Assumed Knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with no, or very limited, knowledge of characters. **Corequisites:** Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. **Assessment:** (Subject to revision) classwork (20%); two oral presentations (10% each); vocabulary quizzes (10%); four composition tests or exercises (20%); two major reading/writing tests (15% each).

NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.

A fast-paced intermediate unit of study intended primarily for native and fluent "background" speakers of Chinese languages, including Cantonese, who know few (up to about 200) characters or none at all. The objective is rapid development of Chinese-language proficiency to equip students for advanced work in Chinese Studies. Emphases will include reading and writing skills and standard putonghua pronunciation.

Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. Oh China: Elementary Reader of Modern Chinese for Advanced Beginners. Princeton: Princeton University Press, 1997

CHNS 1202 Intermediate Chinese (2)

6 credit points. Dr E. U. **Session:** Semester 2. **Classes:** Four hours per week. **Assumed Knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. **Prerequisites:** CHNS 1201. **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 D. Herforth. **Session:** Semester 1. **Classes:** Three hours per week. **Assumed Knowledge:** Full native-speaker competence (including character literacy) in a modern Chinese language (e.g., putonghua, Cantonese). **Corequisites:** Students who have little knowledge of Chinese history and culture are strongly encouraged to take ASNS 1101. **Assessment:** (Subject to revision) classwork (10%); skill-building assignments (e.g. translations, notebook) (30%); quizzes (20%); 1,000-word essay, in English (20%); one-hour examination (20%).

NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.

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:** Semester 2. **Classes:** Three hours per week. **Assumed Knowledge:** A solid basic knowledge of the grammar of Classical Chinese. **Prerequisites:** CHNS 1313. **Assessment:** (Subject to revision) classwork (10%); skill-building assignments (e.g. 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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

This unit exists solely as an enrolment option for students who wish to study Chinese while on exchange at a university elsewhere than in China or Taiwan. Students who plan to study Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

CHNS 2021 Chinese In-Country Study I

16 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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.

NB: 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:** Semester 1, Semester 2. **Prerequisites:** 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.

NB: 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:** Semester 1, Semester 2. **Prerequisites:** 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, one hour plus oral) for 30% of their final mark.

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.

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:** Semester 1, Semester 2. **Prerequisites:** 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, one hour plus oral) for 30% of their final mark.

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.

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. Dr Y. Wang. **Session:** Semester 1. **Classes:** Consult department. **AssumedKnowledge:** One year (approx. 5 hrs/wk for 26 wks) of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** CHNS 1102. **Assessment:** (Subject to revision) classwork, including written language exercises (10%); group performance, including written script (10%); four one-hour tests (20% each).

Intermediate unit of study in Modern Standard Chinese. Rapid vocabulary expansion, strengthening of reading, writing, listening and speaking skills, and sophistication of grammatical knowledge will be pursued in integrated fashion. Students must expect to work hard, using private study time to full advantage. On completion of this unit of study, students should have active use of over 1,000 characters and be able to engage in simple discussions, write short compositions and read fluently within their vocabulary range.

Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level Two. Textbook and Workbook.* Boston: Cheng and Tsui, 1997.

CHNS 2102 Second-Year Chinese (2)

8 credit points. Dr. T. Chan. **Session:** Semester 2. **Classes:** Consult department. **AssumedKnowledge:** Sound intermediate knowledge of Modern Standard Chinese, including full mastery of at least 1,000 characters (preferably full-form). **Prerequisites:** CHNS 2101. **Assessment:** (Subject to revision) classwork, including written 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.

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 D. Herforth. **Session:** Semester 1. **Classes:** Consult department; will be taught together with CHNS 2903. **AssumedKnowledge:** One year of Chinese at introductory level, preferably using full-form characters. **Prerequisites:** CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. **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

(Subject to review) 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 D. Herforth. **Session:** Semester 2. **Classes:** Consult department; will be taught together with CHNS 2904. **AssumedKnowledge:** Basic knowledge of the grammar of Classical Chinese. **Prerequisites:** CHNS 2111 or CHNS 2211 or CHNS 2903. **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 T. Chan. **Session:** Semester 1. **Classes:** Four hours per week. **AssumedKnowledge:** 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 (e.g., Cantonese). Students entering this unit of study will typically know about 1,000 characters. **Prerequisites:** CHNS 1202; or CHNS 3104 plus instructor's permission. **Corequisites:** Students are strongly advised to take CHNS 3421, Chinese for Business Purposes (1) and/or CHNS 2111, Beginning Classical Chinese or, if eligible, CHNS 2903, Honours Stream Classical Chinese (1).. **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 (e.g. 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.

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. Dr E. U. **Session:** Semester 2. **Classes:** Four hours per week. **AssumedKnowledge:** 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 (e.g., Cantonese). Students entering this unit of study will typically know about 2,000 characters. **Prerequisites:** CHNS 2201 or CHNS 2203. **Corequisites:** Students are strongly advised to take CHNS 3422, Chinese for Business Purposes (2) and/or CHNS 2112, Readings in Classical Chinese or, if eligible, CHNS 2904, Honours Stream Classical Chinese (2).. **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.

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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

See under CHNS 1801.

CHNS 2802 Chinese Exchange

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

See under CHNS 1801.

5. Arts units of study

CHNS 2803 Chinese Exchange

8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
See under CHNS 1801.

CHNS 2807 Chinese Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
See under CHNS 1801.

CHNS 2808 Chinese Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
See under CHNS 1801.

CHNS 2903 Honours Stream Classical Chinese (1)

8 credit points. Dr D. Herforth. **Session:** Semester 1. **Classes:** Three hours per week; will be taught together with CHNS 2111. **Assumed Knowledge:** Good basic grounding in Modern Standard Chinese including mastery of at least 600 characters; above-average performance (Credit or a full B) in previous formal studies of Chinese. **Prerequisites:** Credit or higher in CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204. **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%. **NB:** 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 D. Herforth. **Session:** Semester 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. **Prerequisites:** Credit or higher in CHNS 2111, CHNS 2211 or CHNS 2903. **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%. **NB:** 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. Dr D. Bray. **Session:** Semester 1. **Classes:** Consult department. **Assumed Knowledge:** Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Prerequisites:** CHNS 2102. **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 (e.g. 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 (e.g., poems, short stories) and other artistic works (e.g., films) that reflect the concerns of Chinese people in the modern world.

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 T. Chan. **Session:** Semester 2. **Classes:** Consult department. **Assumed Knowledge:** Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Prerequisites:** CHNS 3103. **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.

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. Dr E. U. **Session:** Semester 1. **Classes:** Two hours per week. **Assumed Knowledge:** Sound intermediate knowledge of Modern Standard Chinese. **Prerequisites:** CHNS 2102 or CHNS 1202. **Corequisites:** CHNS 3103 or CHNS 2203. **Assessment:** (Subject to revision) classwork, including language exercises (20%); reading comprehension tests (40%); composition (e.g., business correspondence) tests (20%); group project (10%); vocabulary tests (10%).

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.

Introduction to Business Chinese for students with sound intermediate knowledge of Modern Standard Chinese. Basic training in handling business correspondence in Chinese, reading relevant texts (which may include newspaper, promotional and/or simple legal materials) and conducting routine business discussions.

Textbooks

Jane C. M. Kuo. Open for Business: Lessons in Chinese Commerce for the New Millennium. Vol. 1. Textbook and Workbook. Boston: Cheng and Tsui, 2001.

CHNS 3422 Chinese for Business Purposes (2)

4 credit points. Dr E. U. **Session:** Semester 2. **Classes:** Two hours per week. **Assumed Knowledge:** Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. **Prerequisites:** CHNS 3421. **Corequisites:** CHNS 3104 or CHNS 2204. **Assessment:** (Subject to revision) classwork, including language exercises (20%); reading comprehension tests (40%); composition (e.g., business correspondence) tests (20%); group project (10%); vocabulary tests (10%).

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.

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

Jane C. M. Kuo. Open for Business: Lessons in Chinese Commerce for the New Millennium. Vol. 1. Textbook and Workbook. Boston: Cheng and Tsui, 2001.

CHNS 3441 Classical Chinese Poetry

4 credit points. Dr D. Herforth. **Session:** Semester 2. **Classes:** Two hours per week. Will share some class hours with CHNS 3541. **Assumed Knowledge:** Sound basic knowledge of Classical Chinese. **Prerequisites:** CHNS 2112 or CHNS 2212 or CHNS 2904. **Assessment:** Classwork, including preparation of vocabulary (25%); skill-building exercises, e.g. annotated translations into English, metrical analyses, short writing assignments in English (30%); oral presentation (10%); two 45-minute tests (35%).

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

One of the leading achievements of Chinese culture has been a vast corpus of poetry, remarkable for its aesthetic qualities and its political and cultural importance. In this unit of study, the development and distinctive features of classical poetry will be explored through a selection of representative poems.

Textbooks

Reader available from the University Copy Centre.

CHNS 3536 Chinese Fiction after Mao

8 credit points. Dr Y. Wang. **Session:** Semester 2. **Classes:** Three hours per week. **Assumed Knowledge:** Advanced or native-speaker proficiency in reading Chinese. **Prerequisites:** 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), e.g. discussion report, totalling 2,500 words (30%); oral assignment(s) (e.g. discussion leadership) (15%). Either the essay or one other piece of written work may be in Chinese (consult instructor for required number of characters).

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

Chinese fiction of the 1980s and after reflects spectacular changes in PRC ideology and culture, and shows sharp discrepancies with "official" - state-sanctioned - representations of Chinese realities. Through primary and secondary readings in Chinese and English, students will examine forms and functions of such fiction in its historical context. Close reading of representative works will help them to enhance their linguistic and analytical skills while tackling sophisticated, challenging literary texts.

Textbooks

Will include a reader available from the University Copy Centre.

CHNS 3541 Classical Chinese Poetry (Advanced)

8 credit points. Dr T. Chan and Dr D. Herforth. **Session:** Semester 2. **Classes:** Three hours per week. Will share some class hours with CHNS 3441. **Assumed Knowledge:** Good grounding in Classical Chinese. **Prerequisites:** CHNS 1312 or CHNS 1314; or Distinction in CHNS 2112, CHNS 2212 or CHNS 2904 and permission of instructor. **Assessment:** Classwork (including questions on prepared reading and impromptu writing tasks) (15%); two 2,000-word essays (25% each); oral presentation (10%); two

45-minute tests (10% and 15%). One of the essays may be in Chinese (consult instructor for required number of characters).

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

One of the leading achievements of Chinese culture has been a vast corpus of poetry, remarkable for its aesthetic qualities and for its political and cultural importance. In this unit of study, the development and distinctive features of classical poetry will be explored through a selection of poems representing various genres and periods. One or two genres/periods may be studied in greater depth, such as the ancient, richly beautiful *Chu ci*, the poetry of the great Tang masters, or the innovative *ci* of the Song dynasty.

Textbooks

Reader available from the University Copy Centre.

CHNS 3548 Readings in Pre-Modern Chinese Drama

8 credit points. Dr T. Chan. **Session:** Semester 1. **Classes:** Three hours per week. **Assumed Knowledge:** Good grounding in Classical Chinese. **Prerequisites:** CHNS 1312 or CHNS 1314. **Assessment:** Classwork (20%); two one-hour tests (10% each); oral presentation(s) (10%); two 1,700-word essays (25% each). One of the two essays may be in Chinese (consult instructor for required number of characters).

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

Pre-modern Chinese drama is known for its vivid dialogues, clever plots, melodious arias, moving love stories and implicit social commentary. This unit introduces important works both from the genre's "Golden Age" in the Yuan dynasty (1272-1368) and from the following Ming (1368-1644) and/or Qing (1644-1911) periods. Students will explore the humorous, colloquial style characteristic of Yuan plays, the more refined, classical diction generally favoured later, and the dramatists' evolving literary techniques.

Textbooks

Will include reader available from the University Copy Centre.

CHNS 3571 Contemporary Issues in the Chinese World

8 credit points. Dr E. U. **Session:** Semester 1. **Classes:** Three hours per week. **Assumed Knowledge:** Advanced or native-speaker proficiency in reading Chinese. **Prerequisites:** CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission. **Assessment:** (Subject to revision) classwork (20%); 3,000-word essay (35%); other written assignment(s) totalling 2,500 words (30%); oral assignment(s) (e.g. presentation, discussion leadership) (15%). Either the essay or one other piece of written work may be in Chinese (consult instructor for required number of characters).

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

This unit of study examines selected aspects of social, political, economic, and cultural change in contemporary China. It uses both Chinese- and English-language sources to explore such topics as income and gender inequality, population control, education, youth culture, the erosion of workers' rights, the search for democracy, the rise of the internet, and the new nationalism. Students will compare analytical perspectives from within and outside China, and evaluate proposed explanations for and/or solutions to the chosen problems.

Textbooks

Reader available from the University Copy Centre.

CHNS 3902 Approaches to Research on China

4 credit points. Dr E. U. **Session:** Semester 2. **Classes:** Two hours per week; may be taught jointly with similar units of study in other Asian studies programs. **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. **Prerequisites:** 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%).

NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. It is possible that in 2005, as part of a curricular rationalisation, students will be asked to enrol in ASNS 3902 instead.

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. H. Dunstan. **Session:** Semester 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. **Prerequisites:** 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, it is expected that enrolling students will have realistic prospects of an overall credit average in senior CHNS units on completion of the required number of credit points for admission to Honours. **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%.

NB: 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 Bray, Dr Chan, Dr Herforth and Dr Wang. **Session:** Semester 1, Semester 2. **Prerequisites:** 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). For 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 are strongly encouraged to contact the Chair of Department to discuss possibilities for their acceptance into the Honours program.

NB: Department permission required for enrolment.

The program comprises four coursework components plus the Honours thesis, as described below. It is intended that in 2005, 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. Interesting new possibilities may be available in 2005.

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, society has undergone enormous, rapid change. With economic restructuring and the remodelling of the role of government, the relatively fixed social identities of the past have entered an uncertain, transitional phase.

This component examines selected aspects of these changes, their impact on various groups and institutions (e.g., the family, the workplace), and the emergence of new conceptions of individual identity. 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 addresses the tradition of discursive resistance to absolute power in early Chinese political culture to the end of the Han (220 A.D.). We examine the early practice of formal protest at court, its later valorisation in ethical norms, and the subsequent tension between careerism and Confucian integrity. We explore the literary expression of frustrated resistance in Qu Yuan, Sima Qian and others, and compare the representation of Chinese political martyrdom with notions of tragedy in ancient Greece.

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:** Semester 1, Semester 2. **Prerequisites:** See under CHNS 4011.

NB: Department permission required for enrolment.

See under CHNS 4011.

CHNS 4013 Chinese Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** See under CHNS 4011.

5. Arts units of study

NB: Department permission required for enrolment.
See under CHNS 4011.

CHNS 4014 Chinese Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** See under CHNS 4011.

NB: Department permission required for enrolment.
See under CHNS 4011.

Classical Civilisation

CLCV 1001 Classical Mythology

6 credit points. Dr MacAlister. **Session:** Semester 1. **Classes:** 2 lec/wk & 1 tut/wk. **Assessment:** one class test, one 1000w written assignment, one Homeric Hymn, attendance and participation.

This is the junior level Classical Civilisation core unit of study. In the context of a survey of the development of myth in Greece and Rome, the unit of study examines the individual myths paying attention to their diffusion in space and time. The unit of study is not simply descriptive but looks at the relationship between myth and the culture that produced it; for example, it explores the nature of myth, its relationship with ritual and folktale, the ways in which Greek and Roman literature made use of myth. Some attention is paid to modern theory of myth as well as key modern interpretations of particular myths.

Textbooks

(recommended for purchase)

G.S. Kirk *The Nature of Greek Myths* (Penguin)

H.J. Rose *A Handbook of Greek Mythology* (Methuen)

Course booklet (available from the University Copy Centre)

CLCV 1801 Classical Civilisation Exchange

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

CLCV 1802 Classical Civilisation Exchange

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

CLCV 2801 Classical Civilisation Exchange

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

CLCV 2802 Classical Civilisation Exchange

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

Classics

CLSS 1002 Greece and Rome in Performance

6 credit points. Professor Wilson, Ms F Muecke, Dr L Watson. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assessment:** one 2500w essay, 2 hr formal exam.

This unit of study explores the 'performance culture' of Classical Greece and Imperial Rome. It studies a wide range of performances - including Greek and Roman tragedy, comedy, mime, gladiatorial exhibitions and staged executions in the arena. And it adopts a wide range of approaches to analyse these performances in the terms of the original contexts of their production. It also explores the ways in which they are related to other kinds of cultural performance and self-fashioning, - religious, political and personal.

CLSS 2303 Magic in Greece and Rome

8 credit points. Dr L Watson. **Session:** Semester 2. **Classes:** 2 lec/wk & 1 tut/ft. **Prerequisites:** 18 Junior credit points. **Assessment:** one 2000 word essay, one 1500 word tutorial paper, one 2500 word take-home exam.

Using a combination of literary, documentary and artefactual evidence, this UoS will provide students with a grounding in the most important aspects of Greek and Roman magical practice. More particularly, students will: acquire an understanding of the sociocultural, religious and psychological perceptions which informed the use of magic both 'black' and 'white' throughout the Mediterranean basin; gain a sense of whether certain types of magic were sex-specific; ask to what extent erotic magic - a major focus of the course - can be seen as empowering; apply theoretical models to ask whether 'magic' can legitimately be demarcated from religion (in the historical context of the course understood to mean pagan and Christian); come to understand the reasons for the hostility of Greek and Roman authorities to magical activities unsanctioned by the state. All texts to be studied for purposes of the course will be made available in translation from the original Greek or Latin.

Textbooks

Select Bibliography

Ankarloo, B. & Clark, S. *Witchcraft and Magic in Europe: Ancient Greece and Rome* (Philadelphia, 1999)

Betz D. *The Greek Magical Papyri in Translation including the Demotic Spells*. Vol. 1, Texts (Chicago, 1986)

Dickie, M.W. *Magic and Magicians in the Greco-Roman World* (London, 2001) 61

Faraone, C.A. & Obbink, D. *Magika Hiera: Ancient Greek Religion and Magic* (Oxford, 1991)

Faraone, C.A. *Ancient Greek Love Magic* (Cambridge, Mass., 1999)

Gager, J. *Curse Tablets and Binding Spells from the Ancient World* (Oxford, 1992)

Graf, F. *Magic in the Ancient World* tr. Philip, F. (Harvard, 1997)

Hull, J. M. *Hellenistic Magic and the Synoptic Tradition* (London, 1974)

Johnston, S.I. *Restless Dead: Encounters between the Living and the Dead in Ancient Greece* (Berkeley, 1997)

Luck, G. *Arcana Mundi: Magic and the Occult in the Greek and Roman Worlds* (Baltimore, 1985)

Ogden, D. *Magic, Witchcraft and Ghosts in the Greek and Roman Worlds. A Sourcebook* (Oxford, 2002)

Watson, I. *Arae. The Curse Poetry of Antiquity* (Leeds, 1991)

Watson, L. *A Commentary on Horace's Epodes* (Oxford, 2003)

CLSS 4011 Classics Honours A

12 credit points. TBA. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit results in GRKA 3904 and LATN 3904. **Assessment:** thesis and four 2 hour exams or equivalent, two 1.5 hour exams and one 3 hour exam.

NB: Department permission required for enrolment.

Department permission required for enrolment.

This 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. **Session:** Semester 1, Semester 2. **Corequisites:** CLSS4011.
Refer to CLSS 4011

CLSS 4013 Classics Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** CLSS4012.
Refer to CLSS 4011

CLSS 4014 Classics Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** CLSS4013.
Refer to CLSS 4011

Comparative Literature (see International Comparative Literary Studies)

English

ENGL 1000 University English

6 credit points. Dr. Thomas. **Session:** Summer, Winter, Semester 1, Semester 2. **Classes:** One 1-hr lecture and One 2-hr workshop per week. **Prerequisites:** This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native fluency in English. ENGL 1000 cannot be counted towards the junior credit points required to enrol in senior units of English. **Assessment:** Assignments include two 500-word writing tasks and two 500-word editing tasks.

University English is a practical unit designed to improve student writing at all undergraduate levels in a variety of formats across a range of disciplines. It is taught by means of lecture and workshops organized around exercises in rhetoric, style and grammar. Many writing and editing assignments are drawn from actual university documents, including examples of 'real' student writing.

Textbooks

The Elements of Style (Strunk and White), Fourth Edition and The Essentials of Academic Writing (Soles), First Edition

ENGL 1005 Language and Image

6 credit points. Mr. Ronalds. **Session:** Semester 2, Semester 1. **Classes:** One 1hr lecture and one 2hr workshop. **Assessment:** Two 500wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

NB: Department permission required for enrolment.

This unit of study will introduce student 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:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial. **Assessment:** 1000 wd assignment, 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

M.H. Abrams (ed), The Norton Anthology of English Literature (7th edn) Volume 2 (Compulsory)

Jonathan Culler, Literary Theory: A Very Short Introduction (recommended)

ENGL 1020 Literary Mythologies

6 credit points. Associate Professor Gay. **Session:** Semester 1. **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:** Semester 1. **Classes:** One 1hr lecture and one 2hr workshop. **Assessment:** One 500wd assignment and 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 three novels and three films that depict, reflect, and shape human relationships of dominance and subordination. The lectures introduce the novels and films, 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 and methods of analysis by applying them to relevant texts you identify in the media and popular culture.

Textbooks

Modjeska, The Orchard

Orwell, Nineteen Eighty-Four

Roy, The God of Small Things

Films: Uncivilized, The Tracker, Nice Coloured Girls. (Screened in class.)

Additional readings will be supplied in the ENGL 1025 Resource Book, available from University Copy Centre.

ENGL 1801 English Exchange

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

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

ENGL 1802 English Exchange

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

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

ENGL 2000 Anglo-Saxon Norse and Celtic Studies

8 credit points. A/Prof. Fulton. **Session:** Semester 1. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One 2500wd essay, tutorial performance (=1500 wd) and one 2hr examination.

This unit of study gives students the opportunity to study three closely related cultures of North-West Europe from the Early Middle Ages. These are: the cultures of the Anglo-Saxons, who migrated to England from Northern Europe; the Norse (or Scandinavians), who

had a major impact on the rest of Europe in the Viking Age; and the Celtic peoples of Continental Europe and the British Isles (the Irish and the Welsh will be our focus here).

Two lecture hours per week will discuss the history of the Anglo-Saxons, the Celts and the Norse; their writing systems, the extent of the written corpus of all three cultures; society and the law; and the character of Anglo-Saxon, Norse and Celtic literatures studies in translation. The third hour will be a tutorial. Each student will choose to study one of the following 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 ENGL3911 (Studies in Medieval Languages A) or ENGL3916 (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 2001 Arthurian Literature

8 credit points. Associate Professor Fulton. **Session:** Semester 1. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 2,500wd essay (50%), one 1.5hr exam (30%), one tutorial presentation (20%).

The legend of Arthur has been an enduring vehicle for expressions of political, cultural and sexual anxieties. It fits equally into high culture (opera) and popular culture (musical comedy, film and "creative anachronism"). The Arthurian world can be refashioned to illustrate ideologies, such as capitalism and feminism that were unheard of in the days of its origins. This versatility is explored through a focus on a number of transformations of the legend from the twelfth to the twentieth century.

Textbooks

Bradley. The Mists of Avalon/Malory. Works/Twain. A Connecticut Yankee at King Arthur's Court

Updike, Brazil

Course Reader

ENGL 2007 Drama: Classical to Renaissance

8 credit points. Dr Rogerson. **Session:** Semester 1. **Classes:** Two 1hour lectures and one 1hour tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One 3000 word essay and one 2 hour examination.

A survey of English Drama to the early seventeenth century. Texts include examples of Greek tragedy and Roman comedy that were influential in shaping Renaissance drama. They also include a variety of medieval genres--farce, mystery play, morality play--that likewise contributed to Renaissance drama. Renaissance texts include religious drama, history, farcical comedy, and high tragedy. Attention will be given to: the varying physical and social conditions of the theatre; the way Renaissance drama rewrites ancient and medieval modes, while introducing its own innovations; the combination of theatricality with poetry and rhetoric; film versions of selected texts.

Textbooks

D. Grene and R. Lattimore (ed.). Greek Tragedies I (Chicago)Plautus. Four Comedies (World's Classics)Marlowe.Complete Plays [Everyman]

Shakespeare. The Taming of the Shrew, The Two Gentlemen of Verona, The Comedy of Errors, Richard III, Hamlet, King Lear (in the Norton Shakespeare) A course reader containing Everyman and other medieval texts.

ENGL 2013 Literature and Politics

8 credit points. Dr Petch, Dr Marks. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL 1000. **Assessment:** One short assignment, one 2500 word essay and one 2 hour examination.

This unit explores literature and its political context in two periods of historical crisis and political transformation, 1848-1867, and 1900-1940. In these distinct but linked eras topics such as the nature and legitimacy of authority and the role of resistance, the tension between individual liberty and mass society, the dynamics of gender rela-

5. Arts units of study

tions, and the prospects and effects of revolution, terrorism and war were debated in public and depicted in a diverse range of literature. While noting the differences between the periods, the unit will examine common features pertinent to the relationship of literature and politics. Recognising our similarities to and differences from these earlier periods can help inform our contemporary understanding of politics, literature and the links between them.

Textbooks

Elizabeth Gaskell, Mary Barton [World's Classics]

Anthony Trollope, Barchester Towers [World's Classics]

Charles Dickens, A Tale of Two Cities [Penguin]

John Stuart Mill, On Liberty and Other Essays [World's Classics]

Joseph Conrad, The Secret Agent [Penguin]

George Orwell, The Road to Wigan Pier [Penguin]

Virginia Woolf, Orlando [Penguin]

Arthur Koestler, Darkness At Noon [Vintage]

There will be a Course Reader of selected poetry and secondary material.

ENGL 2029 **Victorian Literature**

8 credit points. Dr Petch. **Session:** Semester 1. **Classes:** Two 1 hr lectures and one 1 hr tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 1000wd assignment, one 2500wd essay, one 2hr examination.

An exploration of the rich variegations of literature and culture, in the 'high Victorian' period (roughly 1840 to 1870).

Textbooks

The Norton Anthology of English Literature, volume 2B. The Victorian Age. (Students who own The Norton Anthology, 7th edition, vol. 2, the book for 'Inventing Modernity (ENGL1015), do not need to buy The Victorian Age).

Dickens, Great Expectations (Penguin)

Gaskell, Cousin Phillis and other tales (Worlds Classics)

Eliot, Middlemarch (Everyman)

Additional material may be included in a Course Reader.

ENGL 2035 **Contemporary American Prose**

8 credit points. Dr Hardie. **Session:** Semester 1. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** Two 3,000 wd essays.

Focussing on cinematic, written, and hypermedia texts from the nineties, this unit of study asks a number of questions: how were "dark places" and pathologies imagined and equilibrated in the popular and literary imaginaries?

In an era of bust and boom, and in the "wake" of postmodernism, how does literature track its own fortunes and investments? What happens to the written text in the age of hypermedia? What sense do distinctions between fiction and non-fiction make in a time when everyday culture itself becomes the matter of fantasy? In short, this unit of study asks students to speculate: whose stocks are up? Whose down? And who's left holding the bag?

Textbooks

Ashbery, Girls on the Run

Cooper, Closer

Ellroy, My Dark Places

Erenreich, Nickled and Dimed

Eugenides, The Virgin Suicides

Franzen, The Corrections

Homes, The Safety of Objects

Kramer, Listening to Prozac

Mullen, Sleeping with the Dictionary

Solodnz, Happiness

Course Reader

ENGL 2036 **The English Bible and English Literature**

8 credit points. Dr Spurr (Coordinator), Dr Gardiner. **Session:** Semester 2. **Classes:** Two 1 hr lectures and one 1 hr tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 2000wd essay, an oral presentation and tutorial performance, and one 2hr examination.

This historically-based unit outlines the significance of the Bible for English and American literature and society. You will discover the central place of biblical stories, images, and discourses in those literatures, through study of a range of texts from different periods, particularly the English Renaissance and the twentieth century, and

in American literature, chiefly from the seventeenth and nineteenth centuries.

Textbooks

Course Reader

The Norton Anthology of Poetry (4th edn)

James Fenimore Cooper. The Deerslayer

Harriet Beecher Stowe. Uncle Tom's Cabin

Students should also possess a copy of the 'Authorized Version' (1611) of the Bible

ENGL 2038 **Literature and Cinema**

8 credit points. Dr Kelly (Co-ordinator), Dr Marks. **Session:** Semester 1. **Classes:** One 1 hr lecture and one 2 hr seminar per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** Oral presentation, 2500wd essay, 2hr exam.

This Unit of Study will examine issues arising from a comparative study of literature and cinema. These issues include: continuities and discontinuities between literature and cinema; the forms and modes of literature and cinema; the questions of adaptation, intertextuality and genre; the cultural and historical contexts of literary and cinematic texts; the figurative styles of literature and cinema; and narrative and narration in literature and cinema.

Textbooks

Swift: 'A Modest Proposal'*

Sophocles: Oedipus Rex*

Shakespeare: King Lear

Hammett: The Maltese Falcon

Williams: A Streetcar Named Desire

Kafka: The Trial

Huxley: Brave New World

Ursula Le Guin: The Dispossessed

(*Available in Resource Book)

Films:

Leigh: A Sense of History

Hitchcock: Rope

Eastwood: Unforgiven

Huston: The Maltese Falcon

Welles: The Trial

Niccol: Gattaca

Gilliam: Brazil

ENGL 2040 **Shakespeare**

8 credit points. Associate Professor Gay. **Session:** Semester 2. **Classes:** One 1hr lecture and one 2hr workshop per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** Workshop presentation (15%), 1500wd essay (30%), 2000wd journal (35%), and one 1hr examination (20%).

An intensive study of plays by Shakespeare in a variety of genres, with an emphasis on performance. Particular attention is given to the impact of Renaissance and modern performance conditions, such as playhouses, companies, and audiences. Where possible film or video versions and current Sydney productions are discussed. Attention will also be given to the language of the plays, their relationship to dramatic genres, and varieties of contemporary interpretation. The workshops will experiment in the staging of key scenes.

Textbooks

The Norton Shakespeare, gen. ed. Stephen Greenblatt

ENGL 2041 **Authority and Anxiety**

8 credit points. Dr Indyk. **Session:** Semester 1. **Classes:** One 1 hr lecture and one 2 hr seminar per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 2500 wd essay and one 2 hr exam.

This unit focuses on the concept of authority as it is explored in the writing of the eighteenth century, a period which saw many new social interests challenging the established modes of thought and action. It examines notions of tradition and order, judgement and virtue; but it is also about anxiety and about those who threaten or abuse authority, bad writers, madmen, criminals, tyrants, foreigners and "the public" itself.

Textbooks

Defoe, Robinson Crusoe

Pope, Selected Poems

Swift, Gulliver's Travels

Gay, *The Beggar's Opera*

Richardson, Pamela

Fielding, Jonathan Wild

Montagu, *The Turkish Embassy Letters*

Radcliffe, *The Italian*

Sterne, *A Sentimental Journey*

ENGL 2043 **Inter/National Writings in English**

8 credit points. Dr Peter Marks. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One short assignment, one 2500 word essay and one 2 hour examination.

This unit explores modern texts written in English from or about Australia, the Caribbean, South Africa, Canada and Great Britain. It uses the terms 'national' and 'international' to raise issues relating to national identity, language, culture, race, colonisation and gender politics. The unit examines the ways in which literature depicts, examines and challenges ideas of nation and nationality, and how literature offers imaginative alternatives to the way nations conceive of themselves, and are conceived by others. It addresses the question of the English language as a form of power as well as an international means of expression.

Textbooks

Kim Scott. *True Country*

J.M.Coetzee. *Disgrace*

Margaret Atwood. *Surfacing*

Derek Walcott. *Omeros*

Salman Rushdie. *The Moor's Last Sigh*

A resource book will be available from the University Copy Centre

ENGL 2048 **Literature of Travel and Discovery**

8 credit points. Associate Professor Barnes (Coordinator), Associate Professor Coleman, Associate Professor Mitchell, Dr Rogerson. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial per week. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 3000wd essay(50%), one 1.5hr examination (30%), tutorial presentation (20%).

This unit explores a range of texts, from the Ancient World to late 20th-century Australia and several points in-between, encompassing real and imaginary voyages of travel and discovery. It provides an opportunity for students to sample a broad spectrum of the narrative modes and visual texts in which the subject is set out — e.g. medieval mappae mundi ('world maps'), epic, romance, life-writing, satire, journalism, scientific record, poetry. The unit also considers the ways in which texts of travel and discovery express personal and national aspirations and identities, and it investigates the ongoing development of forms of writing in English, through an examination of ways in which established literary structures are remodelled by new ways of envisaging and apprehending an expanding world.

Textbooks

The Odyssey (Penguin Classics)

Mandeville's *Travels* (Penguin Classics)

The *Vinland sagas* (Penguin Classics)

Jonathan Swift, *Gulliver's Travels* (Penguin)

Randolph Stow, *To the Islands* (Minerva)

Robyn Davidson, *Tracks* (Picador)

A reader, available from the University Copy Centre, will include mappae mundi; *The Voyage of St Brendan*; extracts from *The World Encompassed* by Sir Francis Drake; *William Dampier, A New Voyage Round the World*; poems by Kenneth Slessor.

ENGL 2049 **The World of Fantasy**

8 credit points. Dr Rogerson, Mr Jones. **Session:** Summer, Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 2500wd essay, one 1.5hr examination, one tutorial paper, tutorial performance.

The novels of J.R.R.Tolkien highlight the debt of modern fantasy literature to medieval fantasy. This unit traces significant traditions of fantasy literature from the Middle Ages to the present day and the relationship of their fictive worlds to their cultural and ideological contexts. Medieval texts (in translation) will include *Beowulf*, *The Wedding of Sir Gawain and Dame Ragnell*, and *Snorri's Edda*, together with novels by Rider Haggard, William Morris, Tolkien, Robert Howard, C.S.Lewis and Marion Zimmer Bradley.

Textbooks

Marion Zimmer Bradley, *The Lady of Avalon* (Penguin)

H.Rider Haggard, *She* (World's Classics)

C.S.Lewis, *That Hideous Strength* (Harper Collins)

J.R.R. Tolkien, *The Hobbit and The Lord of the Rings* (both Grafton)

Resource Book, available from the University Copy Centre.

ENGL 2049 **The World of Fantasy**

8 credit points. Dr Rogerson, Mr Jones. **Session:** Summer, Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** One 2500wd essay, one 1.5hr examination, one tutorial paper, tutorial performance.

The novels of J.R.R.Tolkien highlight the debt of modern fantasy literature to medieval fantasy. This unit traces significant traditions of fantasy literature from the Middle Ages to the present day and the relationship of their fictive worlds to their cultural and ideological contexts. Medieval texts (in translation) will include *Beowulf*, *The Wedding of Sir Gawain and Dame Ragnell*, and *Snorri's Edda*, together with novels by Rider Haggard, William Morris, Tolkien, Robert Howard, C.S.Lewis and Marion Zimmer Bradley.

Textbooks

Marion Zimmer Bradley, *The Lady of Avalon* (Penguin)

H.Rider Haggard, *She* (World's Classics)

C.S.Lewis, *That Hideous Strength* (Harper Collins)

J.R.R. Tolkien, *The Hobbit and The Lord of the Rings* (both Grafton)

Resource Book, available from the University Copy Centre.

ENGL 2052 **Modern Rhetoric**

8 credit points. Dr Thomas. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial. **Prerequisites:** 12 Junior credit points of English excluding ENGL1000. **Assessment:** Two 3000-word essays and tutorial participation.

NB: May be cross listed to a major in Linguistics

This unit will introduce students to both the theory and practice of rhetoric: the deliberate use of language to achieve a particular effect. It will trace the development of modern theories from classical and later ideas about rhetoric, and teach students to improve their own effective use of written and spoken discourses. Students will learn to pay close attention to language, context, and audience. They will develop skills in analysis, interpretation and composition that apply to academic and professional communication as well as literary study.

Textbooks

C. Perelman, *The Realm of Rhetoric* (Notre Dame, 1982)

A Resource book will be available from the University Copy Centre

ENGL 2053 **Varieties of English Grammar**

8 credit points. Mr Ronalds. **Session:** Semester 1. **Classes:** one 1hr lecture, one 2hr workshops per week. **Prerequisites:** 12 Junior Credit Points of English excluding ENGL1000. **Assessment:** Two 1000 wd assignments, one 2000 wd essay, one 2hr exam.

This unit introduces students to various ways of talking about English grammar - systemic, generative, traditional among others - and asks them to consider why we might choose one approach or another for tasks such as text interpretation. The unit also introduces students to the history of grammar as a discipline in the European tradition, with a particular focus on the development of grammars in English. This will provide useful background for a detailed examination of the dominant traditions in grammar theory since 1900

Textbooks

A Resource Book will be available from the Copy Centre

ENGL 2801 **English Exchange**

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

NB: 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:** Semester 1, Semester 2.

NB: 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:** Semester 1, Semester 2.

NB: 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..

5. Arts units of study

ENGL 2804 English Exchange

8 credit points. **Session:** Semester 1, Semester 2.
NB: 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 2805 English Exchange

8 credit points. **Session:** Semester 1, Semester 2.
NB: 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 2806 English Exchange

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

Students enrolled at Sydney University who wish to take the equivalent of a 4 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English..

ENGL 2808 English Exchange

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

Students enrolled at Sydney University who wish to take the equivalent of a 4 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

ENGL 2901 Special Studies in English 1

4 credit points. Dr Gardiner (coordinator). **Session:** Semester 1. **Classes:** One 1hr lecture and one 1hr tutorial per week (total 18 hours over semester). **Prerequisites:** Credit or above in 12 Junior credit points of English excluding ENGL1000. **Corequisites:** ENGL 2902. **Assessment:** Written work totalling 3000 words.
NB: 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

Resource Book (available from the Copy Centre)

Paul Keegan, ed. The New Penguin Book of English Verse

Olive Schreiner, The Story of an African Farm

William Shakespeare, King Lear

ENGL 2902 Special Studies in English 2

4 credit points. Dr Gardiner (Coordinator). **Session:** Semester 2. **Classes:** One 1hr lecture and one 1hr tutorial per week (total 18 hours over semester). **Prerequisites:** Credit or above in 12 Junior credit points of English excluding ENGL1000. **Corequisites:** ENGL 2901. **Assessment:** Written work totalling 3000 words.
NB: 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:** Semester 1. **Classes:** One 1hr lecture and one 1hr tutorial per week (total 18 hours over semester). **Prerequisites:** Credit or above in 24 Senior credit points of English which include ENGL 2901 and ENGL 2902. **Corequisites:** ENGL 3920.. **Assessment:** Written work totalling 3000 words.

NB: 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; adducing evidence, and quoting and citing sources.

Textbooks

Resource Book (available from the Copy Centre)

W. Williams & C. Abbott, An Introduction to Bibliographical and Textual Studies

ENGL 3911 Studies in Medieval Languages A

4 credit points. Professor M Clunies Ross. **Session:** Semester 1. **Classes:** One 1.5 seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In this unit of study, students will have the opportunity to read texts in 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 H Fulton. **Session:** Semester 2. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2005 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:** Semester 1. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2005 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. Dr. Petch. **Session:** Semester 1. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2005 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 Thomas. **Session:** Semester 1. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** 1000wd assignment; one 2000wd essay.

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

In 2005 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 (i.e. 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. Teacher: Prof. Clunies Ross. **Session:** Semester 1. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In this unit of study, students will have the opportunity to read texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Middle English) not previously studied. The actual languages taught in 2004 will depend on student demand and staff availability.

ENGL 3920 Theory of Literature: Medieval to Modern

4 credit points. Dr Gardiner (Coordinator). **Session:** Semester 2. **Classes:** One 1hr lecture and one 1hr tutorial per week (18 hours over semester). **Prerequisites:** Credit or above in 24 Senior credit points of English which include ENGL 2901 and ENGL 2902. **Corequisites:** ENGL 3910. **Assessment:** Written work totalling 3000 words.

NB: 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 contemporary 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. A/Prof Barnes (Coordinator). **Session:** Semester 2. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In this unit of study, students will have the opportunity to read further texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Old Irish, Middle Welsh, Middle English) previously studied. The issues raised in elementary study of the languages will be pursued here in greater detail. The actual languages taught in 2005 will depend on student demand and staff availability. Note: This unit of study is available as a designated

"Advanced" unit to students enrolled in the BA (Advanced) degree program

ENGL 3922 Medieval and Renaissance Studies B

4 credit points. Dr Semler (Coordinator). **Session:** Semester 1. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2005 the unit offered will be: Virtual Renaissance

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

Aldous Huxley, *Brave New World* (Flamingo Modern Classics, 1994).

Sir Thomas More, *Utopia*, trans. and ed. Robert M. Adams (Norton Critical Edition 2nd edition, 1992).

William Shakespeare, *Hamlet, Prince of Denmark*, ed. Philip Edwards (New Cambridge Shakespeare, 2003: updated edition).

Unit Resource Book.

ENGL 3923 Seventeenth and Eighteenth Centuries B

4 credit points. **Session:** Semester 2. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2005 the option offered will be: Coleridge's Literary Life

Samuel Taylor Coleridge was born in the late eighteenth century and began writing in 1790's, the decade after the French Revolution. His life as a poet, journalist, lecturer, critic, and political and cultural commentator reflected and influenced radical changes in the literary life of Britain during what we now refer to as the Romantic period, and he came to be thought of as the supreme example of the Romantic poet and the supreme interpreter of Romanticism. This unit uses Coleridge's own 'sketches of [his] literary life and opinions', the *Biographica Literaria*, to survey both his own career and the changes in British literary culture during the eighteenth and early nineteenth centuries.

Textbooks

Biographica Literaria, ed. Nigel Leask (Everyman)

Coleridge's Notebooks: A Selection, ed. Seamus Perry (OUP)

Coleridge's Poetry and Prose, ed. Halmi, Magnuson, Modiano (Norton)

ENGL 3924 The Long Nineteenth Century B

4 credit points. Dr Kelly (Coordinator). **Session:** Semester 2. **Classes:** Nine 2hr seminars. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

NB: 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

UoS Readings/References:

Irving (selected tales)*

Poe (selected tales)*

Hawthorne, *The Scarlet Letter* and selected tales*

Whitman, *Leaves of Grass* (complete 1855 edition)*

Thoreau, *Walden* *

Crane, *The Red Badge of Courage*

James, *Washington Square*

Chopin, *The Awakening*

Dreiser, *Sister Carrie*

* Available in Norton Anthology of American Literature vol B (*)

ENGL 3925 Rhetoric and Discourse B

4 credit points. A/Prof Fulton. **Session:** Semester 2. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In 2005 the unit offered will be: Media Communication Theory. This unit of study is suitable for students who already have some basic knowledge of media studies. Topics include the rise of the mass media, theories of media in society, institutional aspects of the media, theories of media text production, and the construction of media audiences.

ENGL 3926 Further Studies in Medieval Languages B

4 credit points. A/Prof Barnes. **Session:** Semester 2. **Classes:** One 1.5hr seminar per week. **Prerequisites:** Credit average in 16 Senior credit points of English. **Assessment:** Total 3000wds.

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

In this unit of study, students will have the opportunity to read further texts in another of the medieval languages of north-western Europe (Old English, Old Icelandic, Old Irish, Middle Welsh, Middle English) previously studied. The actual languages taught in 2005 will depend on student demand and staff availability. **NB:** This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

ENGL 4101 English Honours A

12 credit points. Dr Gardiner. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 48 Senior credit points of English, including ENGL2901, ENGL2902, ENGL3910, ENGL3920 and two advanced units. Candidates who were eligible for Honours candidacy according to the Department's guidelines as they were until 2003 should consult the Honours coordinator. **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.

NB: 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 2005 (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

Professor Clunies Ross

Students are required to have completed at least two semesters' work in the relevant language.

In this option advanced students of Old English and Old Norse-Icelandic will have the opportunity to read major texts in their target language. Old Irish and Middle Welsh will be available in this option's Semester 2 counterpart.

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

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 Early/Modern Identities

Dr Lilley

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. Novels of the 1860's

Prof Harris

The title of this option acknowledges the jubilee of the publication of Kathleen Tillotson's classic *Novels of the Eighteen-Forties* (1954). From the critical vantage-point of 2004, we will take up Tillotson's concern with the representative significance of four key novels of her chosen decade, and with the material conditions of their production and distribution. Topics to be considered will include "the condition of England", sensation fiction, readership and the literary market-place, the woman question, and narrative experiment.

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. American Gothic

Dr Hardie

This course looks at the persistence of gothic in American literary and cinematic practice. The "unreality" of gothic conventions and their origins in European predecessors will be briefly signaled before the domestic and paranoid colonial fantasies of Wieland serve to introduce a number of concerns:

- i. repression and its return -- repressing and re-animating peoples, indigenes, cultures.
- ii. social unrealism -- discursive constructions of gothic "identity" in popular culture and the exploration of cultural vs. individual pathology.
- iii. live burial and other forms of incarceration: regional imprisonment, lock-up as writer's block, family romance as destiny, paranoia and familiarity.
- iv. mutations of audience, genre, marketplace: gothic as popular reading, gothic as vestigial high culture.
- v. "signs taken for wonders": symptomatic, psychoanalytic, and epidemiological readings of gothicism in US political-social-neo-colonial cultures.

Texts:

Andrews, *Flowers In the Attic*

Brockden, *Brown Wieland*

Gaddis, *William Carpenter's Gothic*

Hawthorne, *The House of the Seven Gables*

O'Connor, *Wise Blood*

Oates, Joyce Carol *American Gothic Tales* (for Poe, Faulkner, and others)

Films:

Burton Edward *Scissorhands* (1990)

Kubrick *The Shining* (1980)

Mayles *Grey Gardens* (1975)

Moore *Bowling for Columbine* (2002)

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, Carlyle, Macaulay, Prescott and Norfolk.

4. Evolutionary biology: Darwin, Wallace, Lyell, 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*

A/Prof Barnes

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 The Canterbury Tales*

A/Prof Barnes

Chaucer's great, unfinished, canonical work draws upon a range of narrative modes and literary techniques, from epic and romance to low comedy. We will explore the strategies through which the multiple voices in its framework of pilgrimage and story-telling competition vie for with one another for attention and narrative supremacy, and the ways in which Chaucer pushes the boundaries of medieval literary convention. Among the Tales to be considered are those of the Knight, Miller, Reeve, Wife of Bath, Pardoner, Canon Yeoman, and Chaucer's Tale of Sir Thopas.

Set Text:

The Riverside Chaucer, 3edn., gen.ed. Larry D. Benson (Oxford: OUP pbk, 1988).

3. *The 17th and 18th centuries - 2 Ancients and Moderns, 1688-1714*

A/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 (e.g. *Translations, imitations, paraphrases*); others, accessible on line through EEBO, to be advised.

4. *The long 19th century - 2 Waterloo to Peterloo*

Dr Christie

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 Modernist Fiction*

Dr Marks

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 English Studies: A Rhetorical History*

Professor Clunies Ross

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 4102 English Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ENGL4101. See ENGL4101

ENGL 4103 English Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ENGL4102. See ENGL4101

ENGL 4104 English Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ENGL4103. See ENGL4101

European Studies

EUST 2801 European Studies Exchange

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

EUST 2802 European Studies Exchange

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

EUST 4011 European Studies Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Permission of Centre for European Studies. **NB:** Department permission required for enrolment. Please see Chapter 3 for details.

EUST 4012 European Studies Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** EUST4011.

EUST 4013 European Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** EUST4012.

EUST 4014 European Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** EUST4013.

French Studies

FRNC 1101 French Introductory 1

6 credit points. Dr Caffarel. **Session:** Semester 1. **Classes:** 1 lecture, 3 face-to-face tutorials per week, 2 hours autonomous learning online per week. **Prerequisites:** 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 programme 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 programmes designed to develop grammatical, communicative and critical skills.

FRNC1102 Introductory French 2 is the standard progression.

Textbooks

Lavenne, Bérard, Breton, Canier, Tagliante (2001). *STUDIO 100 Méthode de français*. Niveau 1. Didier.

Lavenne, Bérard, Breton, Canier, Tagliante (2001). *STUDIO 100. Cahier d'exercices*. Niveau 1 Didier.

FRNC 1102 French Introductory 2

6 credit points. Dr Caffarel. **Session:** Semester 2. **Classes:** 1 lecture, 3 face-to-face tutorials per week, 2 hours autonomous learning online per week. **Prerequisites:** FRNC1101 or equivalent. **Assessment:** Class work, assignments, tests, examination. FRNC1102 Introductory French 2 is the continuation of FRNC1101 Introductory French 1. It aims at strengthening students' oral communication skills and at developing further their written skills (reading and writing). Having completed FRNC1102 Introductory

5. Arts units of study

French 2, students in their second year will normally enter FRNC2103 French Language 3.

Textbooks
Lavenne, Bérard, Breton, Canier, Tagliante (2001). STUDIO 100 Méthode de français. Niveau 1. Didier.

Lavenne, Bérard, Breton, Canier, Tagliante (2001). STUDIO 100. Cahier d'exercices. Niveau 1 Didier.

FRNC 1201 French Intermediate 1

6 credit points. Mr Walkley. **Session:** Semester 1. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisites:** Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent. **Assessment:** Class work, 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
Capelle, G & Gidon, N. (1999) Reflet 1, Paris: Hachette. Course booklet to be purchased from the University Copy Centre

FRNC 1202 French Intermediate 2

6 credit points. TBA. **Session:** Semester 2. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisites:** FRNC1201 or equivalent. **Assessment:** Class work, assignments, oral and written tests. This unit of study is the continuation of FRNC1201 Intermediate French 1. It continues to develop speaking, listening, writing and reading skills, while providing further insights into contemporary French culture. Having completed FRNC1202 Intermediate French 2, students in their second year will usually enter FRNC2103 French Language 3.

Textbooks
Capelle, G & Gidon, N. (1999) Reflets 1, Paris: Hachette. Course booklet to be purchased from the University Copy Centre

FRNC 1301 French Advanced 1

6 credit points. TBA. **Session:** Semester 1. **Classes:** 2 lectures, 3 tutorials per week. **Prerequisites:** 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.
A dossier of texts to be purchased from the University Copy Centre
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.

2. Reading

Texts and Society:
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
Panorama 3 and a dossier of texts to be purchased from the University Copy Centre.

FRNC 1302 French Advanced 2

6 credit points. Dr Grauby. **Session:** Semester 2. **Classes:** 2 lectures, 3 tutorials per week. **Prerequisites:** FRNC1301 or equivalent. **Assessment:** Class work, assignments, tests, examination. This unit of study is the continuation of the first semester unit FRNC1301. 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: Camus, L'Etranger, Folio
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 FRNC1301 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
Forum 3, Hachette

FRNC 1501 French Short Reading Course

6 credit points. Mr Walkley. **Session:** Semester 1. **Classes:** 3 hours per week. **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:** Semester 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:** Semester 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 FRNC1701 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 unit.

Textbooks
Roger Price. A Concise History of France.

FRNC 1801 French Exchange

6 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
For students studying overseas. Department permission required for enrolment.

FRNC 1802 French Exchange

6 credit points. **Session:** Semester 1, Semester 2.
NB: 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:** Semester 1. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisites:** FRNC1102 or FRNC1202 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 FRNC2501 French Reading 1 and FRNC2113.
Textbooks
Reflets 2, Hachette.

Collins-Robert French Dictionaries.

FRNC 2104 French Language 4

4 credit points. Dr Cowley. **Session:** Semester 2. **Classes:** 1 lecture, 2 tutorials per week. **Prerequisites:** FRNC2103 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 FRNC2502 French Reading 2. Having completed FRNC2104 French

Language 4, students in their third year will enter FRNC3105 French Language 5.

Textbooks
As for FRNC2103 French Language 3.

Collins-Robert French Dictionaries.

FRNC 2113 Active Language Skills in Context

8 credit points. Dr E. Rechniewski. **Session:** Semester 1. **Classes:** 3 tutorials per week. **Prerequisites:** FRNC1102 or 1202 or equivalent. **Corequisites:** FRNC2103. **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. TBA. **Session:** Semester 1. **Classes:** 2 classes per week. **Prerequisites:** FRNC1302 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. TBA. **Session:** Semester 2. **Classes:** 2 classes per week. **Prerequisites:** FRNC2303 or equivalent. **Assessment:** Class work, tests, assignments, examination.

This unit is a continuation of FRNC2303. It will normally be taken by specialist students in conjunction with one of the specialist Options. Having completed FRNC2304 Advanced French Language 4, students in their third year will enter FRNC3305 Advanced French Language 5.

Textbooks
As for FRNC2303 Advanced French Language 3.

FRNC 2401 French Exchange

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

For students studying overseas. Department permission required for enrolment.

FRNC 2402 French Exchange

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

For students studying overseas. Department permission required for enrolment.

FRNC 2403 French Exchange

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

For students studying overseas. Department permission required for enrolment.

FRNC 2404 French Exchange

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

For students studying overseas. Department permission required for enrolment.

FRNC 2407 French Exchange

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

For students studying overseas. Department permission required for enrolment.

FRNC 2408 French Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: 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:** Semester 1. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisites:** FRNC1102 or FRNC1202. In consultation with the coordinator, certain students having completed FRNC1201 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 re-define its role in the world and in Europe.

This unit of study is normally taken by specialist students in conjunction with FRNC2103 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 Grauby. **Session:** Semester 2. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisites:** FRNC2501 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 FRNC2104 French Language 4.

Textbooks
Camus, L'Etranger, Folio

FRNC 2602 Introduction to Linguistics

4 credit points. Dr Caffarel. **Session:** Semester 1. **Classes:** 2 classes per week. **Prerequisites:** FRNC1302 or FRNC2502 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. **Session:** Semester 1. **Classes:** 2 classes per week. **Prerequisites:** FRNC1302 or FRNC2502 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 FRNC2702 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 Rechniewski. **Session:** Semester 2. **Classes:** 2 classes per week. **Prerequisites:** 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 2714 Switzerland

4 credit points. Mr. Walkley. **Session:** Semester 1. **Classes:** 2 classes per week. **Prerequisites:** FRNC1302 or FRNC2502 or equivalent. **Assessment:** Class work, assignments, preparation.

This unit of study offers an introduction to Francophone literature and culture in Switzerland.

Textbooks
C.F. Ramuz, La Grande peur dans la montagne (Livre de poche)

FRNC 2802 French Narrative Cinema

4 credit points. Dr. Royer. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** FRNC1302 or FRNC2502. **Assessment:** Class work, assignment, test.

5. Arts units of study

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

A dossier of texts to be purchased from the University Copy Centre.

FRNC 3105 French Language 5

4 credit points. TBA. **Session:** Semester 1. **Classes:** 2 tutorials per week. **Prerequisites:** FRNC2104 or equivalent. **Assessment:** Class work, assignments, oral and written tests. This unit of study follows on from FRNC2104 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. Olivier. Grammaire française (Harcourt Brace Jovanovich)

Course booklet to be purchased from the University Copy Centre.

FRNC 3106 French Language 6

4 credit points. TBA. **Session:** Semester 2. **Classes:** 2 tutorials per week. **Prerequisites:** FRNC3105 or equivalent. **Assessment:** Class work, assignments, oral presentation, oral and written tests.

This unit is a continuation of FRNC3105. 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 FRNC3105 French Language 5.

FRNC 3305 Advanced French Language 5

4 credit points. Dr Royer. **Session:** Semester 1. **Classes:** 2 classes per week. **Prerequisites:** FRNC2304 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 Peter Cowley. **Session:** Semester 2. **Classes:** 2 classes per week. **Prerequisites:** FRNC3305 or equivalent. **Assessment:** Class work, assignments, tests.

This unit is a continuation of FRNC3305. 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:** Semester 1. **Prerequisites:** Permission of Department of French Studies.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 3402 French In-Country Study 2

4 credit points. Dr Rechniewski. **Session:** Semester 2. **Prerequisites:** Permission of Department of French Studies.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 3403 French In-Country Study 3

4 credit points. Dr Rechniewski. **Session:** Semester 1. **Prerequisites:** Permission of Department of French Studies.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 3404 French In-Country Study 4

4 credit points. Dr Rechniewski. **Session:** Semester 2. **Prerequisites:** Permission of Department of French Studies.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 3405 French In-Country Study 5

4 credit points. Dr Rechniewski. **Session:** Semester 1. **Prerequisites:** Permission of Department of French Studies.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 3406 French In-Country Study 6

4 credit points. Dr Rechniewski. **Session:** Semester 2. **Prerequisites:** Permission of Department of French Studies.

NB: Department permission required for enrolment.

For students studying overseas.

FRNC 3703 Intellectual Movements Since 1945

4 credit points. Dr Rechniewski. **Session:** Semester 1. **Classes:** 2 classes per week.

Prerequisites: FRNC 1302 or FRNC 2502 or equivalent. **Assessment:** Class paper, essay.

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

This unit of study examines intellectual movements in France since World War II, in particular existentialism, structuralism and post-structuralism, in relation to the different challenges they pose to the tradition of Enlightenment philosophy. The analysis will be placed in the context of the tradition of 'engagement' and the contribution of intellectuals since the war to social and political debate. This unit is primarily designed for more advanced students.

Textbooks

Sartre. L'Existentialisme est un humanisme.

Course booklet to be purchased from the University Copy Centre.

FRNC 3706 Deconstructing French Texts

4 credit points. Dr Caffarel & Dr Rechniewski. **Session:** Semester 2. **Classes:** 2 classes per week. **Prerequisites:** FRNC1302 or FRNC2502 or equivalent. **Assessment:** Class presentation and text analysis assignment.

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

Using a variety of texts the unit will explore contrasting discursive constructions of contemporary social phenomena from both a sociological and linguistic perspective. The analysis will be informed by a range of approaches, drawing on the work of theorists such as Maingueneau and Halliday. This unit is designed for more advanced students.

Textbooks

Course booklet to be purchased from the University Copy Centre.

FRNC 3805 French Popular Culture

4 credit points. Dr Grauby. **Session:** Semester 2. **Classes:** 2 classes per week. **Prerequisites:** FRNC1302 or FRNC2502 or equivalent. **Assessment:** Class work, written assignment, oral presentation.

The aim of this unit of study is to define and study French popular culture. What are the distinctions between popular culture and elite culture? How is the audience for popular culture characterised? By studying different media (popular literature, rap music, advertising, comic strips, etc.), the unit will analyse the elements that characterise popular culture and discuss its social, ideological and psychological functions.

Theoretical discussions will be based on the studies of R. Barthes, U. Eco, J. Baudrillard and J. Duvignaud.

Textbooks

Course booklet to be purchased from the University Copy Centre.

FRNC 3810 French Translation

4 credit points. Dr Cowley. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** Credit in FRNC1302 or FRNC2502, or equivalent. **Assessment:** weekly exercises, assignment.

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

An investigation into the theory and practice of translation, from French into English. Students will be required to undertake weekly exercises in translation and to prepare a translation with critical and analytical commentary (equivalent to 3000 word essay overall).

Textbooks

To be announced.

FRNC 3908 French Enlightenment

4 credit points. Professor Sankey. **Session:** Semester 1. **Classes:** 2 classes per week.

Prerequisites: Credit in FRNC1302 or in FRNC2502. **Assessment:** Class work, essay.

NB: 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 offers a study of French social and political thought in the eighteenth century and of major writers and thinkers of the Enlightenment period.

Textbooks

Montesquieu. Les Lettres persanes (Garnier-Flammarion)

Voltaire. Les Lettres philosophiques (Garnier-Flammarion)

Rousseau. Discours sur l'origine de l'inégalité parmi les hommes (Garnier-Flammarion).

FRNC 3909 French Romanticism

4 credit points. Dr Grauby. **Session:** Semester 2. **Classes:** 2 classes per week. **Prerequisites:** Credit in FRNC1302 or FRNC2502, or equivalent. **Assessment:** Class work, written assignment, oral presentation.

NB: 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 pre-requisite for admission to Honours. It may also be taken by students with a credit average as an additional unit. The unit will discuss the literary movement of Romanticism, along the themes of adolescence and regeneration. It will address such questions as the ideology of progress following the French Revolution, and the emergence of new sources of inspiration for literature.

Textbooks

Chateaubriand. *Memoires d'outre-tombe I* (Livre de poche).

Sand. *Histoire de ma vie* (extracts provided).

Nerval. *Sylvie* (Livre de poche).

Course booklet to be purchased from the University Copy Centre.

FRNC 4011 French Honours A

12 credit points. To be announced. **Session:** Semester 1, Semester 2. **Classes:** 6 hours per week. **Prerequisites:** Major in Advanced French or in French with credit average in 48 Senior units, including at least two of the following Special Entry units: FRNC2901, FRNC3906, FRNC3907, FRNC3908, FRNC3909 or equivalent. **Assessment:** Class work, assignments, thesis.

NB: Department permission required for enrolment.

The Fourth Year Honours program consists of the following segments:

(a) Practical Language

Lecturer: TBA. **Classes:** Semesters 1 and 2. 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:

FRNC6924 Advanced Practical Language

Lecturer: TBA. **Classes:** Semester 1.

Detailed consideration of the problems of written expression in French and of analysis of written texts. Particular attention will be paid to the development of skills associated with dissertation and thesis writing

Textbooks

Dr Royer and Dr Grauby. *Recherche: Mode d'emploi* (French-Australian Research Centre)

FRNC5901 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.

FRNC5902 Medieval French Literature in Translation

Mr Walkley. **Classes:** Semester 1.

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. An introduction to reading medieval French is included in this course.

Texts to be advised.

FRNC6920 Advanced Practical Language B

Lecturer: Dr Françoise Grauby. **Classes:** Semester 2

Detailed consideration of the problems of written expression in French and of analysis of written texts. Particular attention will be paid to the development of skills associated with dissertation and thesis writing

Textbooks

Dr Royer and Dr Grauby. *Recherche: Mode d'emploi* (French-Australian Research Centre)

FRNC5903 The Representation of Minorities in French Cinema

Lecturer: Dr Michelle Royer. **Classes:** Semester 2

Since the 1990s there has been a renewed interest in the representation of marginalised social groups in French cinema. This seminar will examine this new tendency of French cinema and will explore through detailed film analyses the way filmmakers are engaging with the problems of social exclusion and marginalisation in their films

Students will be introduced to French film theories.

FRNC6012 La Mémoire Culturelle Dans La Fiction Contemporaine

Lecturer: Professor Sankey. **Classes:** Semester 1

The course will explore the representation of time and space in contemporary French fiction, using the ideas of Ricoeur (*Temps et récit*), Durand (*Les Structures anthropologiques de l'imaginaire*) and Nore (*Les Lieux démoire*), and focusing on the ways in which writers seek to recuperate and "explain" the inexplicable past that is the Second World War.

Textbooks

Modiano. *La Place de l'Etoile* (Folio)

Modiano. *Dora Bruder* (Folio)

Perec. *W ou le souvenir d'enfance*

Tournier. *Le Roi des Aulnes* (Folio)

Duras. *La Douleur* (POL)

FRNC 4012 French Honours B

12 credit points. Dr Grauby. **Session:** Semester 1, Semester 2. **Corequisites:** FRNC4011.

Please refer to FRNC 4011.

FRNC 4013 French Honours C

12 credit points. Dr Grauby. **Session:** Semester 1, Semester 2. **Corequisites:** FRNC4012.

Please refer to FRNC 4011.

FRNC 4014 French Honours D

12 credit points. Dr Grauby. **Session:** Semester 1, Semester 2. **Corequisites:** FRNC4013.

Please refer to FRNC 4011.

Gender Studies**WMST 1801 Gender Studies Exchange**

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

WMST 2001 Gender, Media and Popular Culture

8 credit points. Convenor: Professor E Probyn. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 18 Junior credit points. **Assessment:** 1) Mid-term exam; 2) Final take-home exam Total written work 6000 words.

This unit of study will introduce students to the study and analysis of gender, sexuality, race and popular culture. The unit of study will draw on a range of interdisciplinary theories in order to analyse constructions of gender in popular culture genres: magazines, advertising, cinema and televisual genres, popular music and videos.

WMST 2002 Thinking Gender

8 credit points. Dr F Probyn. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 18 Junior credit points. **Assessment:** Tutorial participation 10% (based on attendance, participation and tutorial presentation); one 2500 word essay 45%; and one take-home exam of 2500 words 45%.

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 2004 Sex, Violence and Transgression

8 credit points. Dr N Lusty. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 18 Junior credit points. **Assessment:** one case study (3000 words) and a take-home exam (3000 words).

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

Violence is one of the most prevalent themes in popular culture and public discourse today. It fills our newspapers, is beamed into our lounge rooms, and is condemned by activists and politicians alike. Incorporating methodologies and readings from gender and cultural studies, this course will examine historical and contemporary representations and constructions of sex and violence. The unit will also explore the role of negative affect (fear and disgust) in narratives and discourses of sex and violence as well as our fascination with,

5. Arts units of study

and widespread consumption of, violent images and narratives - in film and TV, on the Internet and in the news media.

WMST 2007 **Bodies, Sexualities, Identities**

8 credit points. Professor E Probyn. **Session:** Summer, Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 18 junior credit points. **Assessment:** Group work, presentations and essays to a total of 6000 words.

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

In this unit of study we will examine the ways in which feminist and other cultural theories have used bodies and sexualities in order to theorise difference and identity. The body and sexuality have been shown to be a major site for the operation of power in our society. We will also look at how bodies and sexualities are central to 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 2008 **Gender, Communities and Difference**

8 credit points. Dr L Secomb. **Session:** Semester 2. **Classes:** 3 hours per week. **Prerequisites:** 18 junior credit points. **Assessment:** one 1000 word tutorial paper, one 2500 word essay, and one 2500 word take-home exam.

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

This course examines difference and diversity within community. It looks at the operation of power and at how power produces and regulates communities and identities. It questions the assumption that community is based on the unity and similarity of citizens and examines alternatives such as difference and sociality. Specific debates about the regulation of reproduction, the production of sexuality, and the provision of welfare are examined. The course is divided into 2 sections:

Gender, Community and Difference; and Foucault, Power and Governance.

WMST 2009 **Cultures of Masculinities**

8 credit points. Dr M Moller. **Session:** Summer, Semester 1. **Classes:** 2 hr lecture and 1 hr tutorial. **Prerequisites:** 18 junior credit points. **Assessment:** Critical reading assignment (1000 words), group assignment - case study (1500 words), take-home exam (4500 words).

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

What do men want? From a traditional focus on femininity in gender studies, it is increasingly clear that masculinity has undergone tremendous changes in the last several decades. From a perspective of gender and cultural studies, this unit examines the economic, social and cultural contexts in which masculinity is lived. We will consider different case studies focused on the changing representation of men in contemporary culture. These will include aspects of style and consumption, roles within workplaces, and in domestic practices.

WMST 2010 **Intimacy, Love and Friendship**

8 credit points. Dr L Secomb. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 18 junior credit points. **Assessment:** one 1000 word tutorial paper, one 2500 word essay, and one 2500 word take-home exam.

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

This unit 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 R Barcan. **Session:** Semester 2. **Classes:** 2 hr lecture and 1 hr tutorial. **Prerequisites:** 18 junior credit points. **Assessment:** In class exercise (1000 words), observation task (2500 words), take-home exam (2500 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. TBA. **Session:** Summer. **Classes:** 1 hr lecture, 1 hr tutorial, and 1 hr of online learning (via WebCT). **Prerequisites:** 18 junior credit points. **Assessment:** Critical exercise (1000 words), group project (2000 words), and either essay or take-home exam (3000 words).

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

This unit uses changing ideas about youth and practices of youth culture as a focus for an introduction to contemporary cultural theory. It aims to introduce students to some of the current parameters for studying cultural forms, practices and theories by examining current and past forms of youth culture, representations of youth and youth culture, and cultural studies of youth. Points of focus include media images of youth, popular culture marketed to youth, and youth sub-cultures.

WMST 2801 **Gender Studies Exchange**

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

NB: Department permission required for enrolment.

WMST 2802 **Gender Studies Exchange**

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

NB: Department permission required for enrolment.

WMST 2803 **Gender Studies Exchange**

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

NB: Department permission required for enrolment.

WMST 2807 **Gender Studies Exchange**

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

NB: Department permission required for enrolment.

WMST 2808 **Gender Studies Exchange**

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

NB: Department permission required for enrolment.

WMST 3001 **Gender, Race and Australian Identities**

8 credit points. Dr F Probyn. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** WMST2001 and one of WMST2002 and WMST2007. **Assessment:** A research journal of 2500 words and one 2500 word research essay.

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

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 4011 **Gender Studies Honours A**

12 credit points. **Session:** Semester 1, Semester 2. **Classes:** One 2 hour seminar per week. **Prerequisites:** Credit or above in WMST2001, WMST2002 and WMST3001 and a further 24 credit points in Gender Studies. **Assessment:** 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.

NB: Department permission required for enrolment.

Arguing the Point: Research in Gender and Cultural Studies Dr Ruth Barcan

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. Students must attend the Gender Studies seminar series and must take either/or both Modernity, Modern Culture, and/or Gender, Media & Consumer Society

WMST 4012 **Gender Studies Honours B**

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** WMST4011.

Refer to WMST 4011

WMST 4013 **Gender Studies Honours C**

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** WMST4012.

Refer to WMST 4011

WMST 4014 **Gender Studies Honours D**

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** WMST4013.

Refer to WMST 4011

Germanic Studies

GRMN 1111 Junior Introductory German 1

6 credit points. Coordinator: Dr Bandhauer. **Session:** Semester 1. **Classes:** Four hours per week. **Assessment:** (Subject to revision) classwork (tests, assignments, class presentations, participation), 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 the German-speaking countries.

Students intending to major in German are strongly advised to enrol as well in GRMN 1133 (German Language Skills and Culture).

Textbooks

Aufderstraße et al, Themen aktuell 1. Kursbuch (Hueber).

Aufderstraße et al, Themen aktuell 1. Workbook. (Hueber).

GRMN 1122 Junior Introductory German 2

6 credit points. Coordinator: Dr Bandhauer. **Session:** Semester 2. **Classes:** Four hours per week. **Prerequisites:** GRMN 1111. **Assessment:** (Subject to revision) classwork (tests, assignments, class presentations, participation), one 2 hour examination.

Practical language classes based on a communicative approach.

These classes will develop and extend the language skills acquired in First Semester.

Textbooks

Aufderstraße et al, Themen aktuell 1. Kursbuch (Hueber).

Aufderstraße et al, Themen aktuell 1. Workbook. (Hueber).

GRMN 1133 German Language Skills and Culture

6 credit points. Coordinator: Dr Bandhauer. **Session:** Semester 1. **Classes:** 3 hours per week. **Corequisites:** GRMN 1111. **Assessment:** (Subject to revision) classwork (oral tests, assignments, class presentations, participation), two 1 hour examinations.

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

German Language Skills and Culture Course Pack (UPS)

GRMN 1211 Junior Intermediate German 1

6 credit points. Coordinator: Dr Borgert. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HSC German Beginners 65% or above or German Continuers below 70% or equivalent. **Assessment:** (Subject to revision) classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills.

Text study class: 1 hour per week. This part of the course is designed to develop the student's reading and comprehension skills and provides an introduction to the skills of literary analysis.

Textbooks

Departmental Revision Course (UPS)

Aufderstraße et al, Delfin. Lehrbuch. Einbändige Ausgabe (Hueber)

Aufderstraße et al, Delfin. Arbeitsbuch. Einbändige Ausgabe (Hueber)

Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 1222 Junior Intermediate German 2

6 credit points. Coordinator: Dr Borgert. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** GRMN 1211. **Assessment:** (Subject to revision) classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills.

Text study class: 1 hour per week. This part of the course is designed to further develop the student's reading and comprehension skills and provides an introduction to the skills of literary analysis.

Textbooks

Aufderstraße et al, Delfin. Lehrbuch. Einbändige Ausgabe (Hueber)

Aufderstraße et al, Delfin. Arbeitsbuch. Einbändige Ausgabe (Hueber)

Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 1311 Junior Advanced German 1

6 credit points. Coordinator: Dr Borgert. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HSC German Extension or German Continuers 70% or above or

equivalent. **Assessment:** (Subject to revision) classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills.

Seminar: 1 hour per week. Discussion of a selection of literary texts and a film to develop the students' appreciation of these genres and introduce them to the skills of literary and film analysis.

Textbooks

Perlmann-Balme et al, em, Brückenkurs (Hueber)

Hering et al, em, Übungsgrammatik (Hueber)

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:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** GRMN 1311. **Assessment:** (Subject to revision) classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills.

Literature tutorial: 1 hour per week. Discussion of a variety of literary texts and genres to develop the students' appreciation of literature and introduce them to the skills of literary analysis.

Textbooks

Perlmann-Balme et al, em, Hauptkurs (Hueber)

Hering et al, em, Übungsgrammatik (Hueber)

German Poetry Course Pack (UPS)

Dürrenmatt, Der Besuch der alten Dame (Diogenes detebe 23045)

GRMN 2211 Senior Intermediate German 1

8 credit points. Coordinator: Dr Moulden. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** GRMN 1122. **Assessment:** (Subject to revision) classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

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 aktuell 2. Kursbuch (Hueber)

Aufderstraße et al, Themen aktuell 2. Workbook (Hueber)

Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 2222 Senior Intermediate German 2

8 credit points. Coordinator: Dr Moulden. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** GRMN 2211. **Assessment:** (Subject to revision) classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour examinations.

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 aktuell 2. Kursbuch (Hueber)

Aufderstraße et al, Themen aktuell 2. Workbook (Hueber)

Teichert et al, Allerlei zum Lesen (D.C. Heath and Company)

GRMN 2311 Senior Advanced German Language 1

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** Either GRMN 1222 or GRMN 2222. **Assessment:** (Subject to revision) classwork (class tests, compositions, comprehensions, translations, oral presentations), one 1.5 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: Dr Moulden. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** GRMN 2311. **Assessment:** (Subject to revision) classwork (class tests, compositions, comprehensions, translations, oral presentations), one 1.5 hour examination.

5. Arts units of study

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: Dr Moulden. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** Either GRMN 1322 or GRMN 2222 or GRMN 2322. **Assessment:** (Subject to revision) classwork (class tests, compositions, comprehensions, translations, oral presentations), one 1.5 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 3 Course Pack (UPS)

GRMN 2342 Senior Advanced German Language 4

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** GRMN 2331. **Assessment:** (Subject to revision) classwork (class tests, compositions, comprehensions, translations, oral presentations), one 1.5 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 4 Course Pack (UPS)

GRMN 2351 Senior Advanced German Language 5

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** GRMN2322 or GRMN2342 or GRMN2750. **Assessment:** (Subject to revision) classwork (class tests, compositions, comprehensions, translations, oral presentations), one 1.5 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: Dr Moulden. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** GRMN2351. **Assessment:** (Subject to revision) classwork (class tests, compositions, comprehensions, translations, oral presentations), one 1.5 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:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Assessment:** (Subject to revision) one 3000 word essay, one written tutorial paper (1000 words), one class presentation, one 1hr 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

Mann, Tonio Kröger. Mario und der Zauberer (Fischer Tb. 1381)

Lyrik des Expressionismus: Departmental Selection (UPS)

Kafka, Das Urteil und andere Erzählungen (Fischer Tb.19)

Horváth, Kasimir und Karoline (Suhrkamp 5BB 28)

Brecht, Leben des Galilei (Suhrkamp es 1)

GRMN 2451 Later 20th Century German Literature

8 credit points. TBA. **Session:** Semester 2. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133. **Assessment:** (Subject to revision) One 2000 word essay, one class presentation, one class test, one 2 hr 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

Die Ehe der Maria Braun. German Film Course Pack (UPS)

Böll, Die verlorene Ehre der Katharina Blum (dtv Bd. 1150)

Schneider, Dreck (Reclam Leipzig 1469)

Schlink, Der Vorleser (Diogenes detebe 22953)

GRMN 2455 Topics in German Film

8 credit points. Dr Moulden. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour seminar per week plus film screenings. **Prerequisites:** 12 Junior credit points

of German not including GRMN 1133. **Assessment:** (Subject to revision) one 2000 word essay, one class presentation, one class test, one 2 hr examination.

This Unit of Study will explore German film from the perspectives of film theory and historical culture. Discussions will situate films within the German political and cultural context of their time and study them from the perspective of contemporary cross-cultural critique. The course may concentrate on the works of a specific director, a period or a genre, or deal with key social and political issues within a selection of German films.

Textbooks

Films: Selected films of Rainer Werner Fassbinder

GRMN 2750 Business German

8 credit points. Coordinator: Dr Bandhauer. **Session:** Summer, Semester 2. **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** GRMN 1222, GRMN 1322 or GRMN 2222. **Assessment:** (Subject to revision) classwork (tests, assignments, presentations, participation), one 2 hour examination.

Develops and practises the language skills, both oral and written, necessary for working in a German business environment. The unit will deal with issues ranging from everyday communication within a business context, to in-depth analyses of specific economic topics.

Textbooks

Becker, Braunert, Eisfeld, Dialog Beruf 1. (Hueber).

Becker, Braunert, Eisfeld, Dialog Beruf 1. Arbeitsbuch (Hueber).

GRMN 2801 German Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GRMN 2802 German Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GRMN 2803 German Exchange

8 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GRMN 2807 German Exchange

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GRMN 2808 German Exchange

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

GRMN 2901 Drama des 19. Jahrhunderts

4 credit points. Dr Borgert. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN 1133. **Assessment:** One 2000 word essay, one class presentation.

Explores the great varieties in theme and dramatic form of 19th century German and Austrian plays. Representative major works by Büchner, Hebbel and Grillparzer will be examined in their historical and literary contexts.

Textbooks

Büchner, Woyzeck. Leonce und Lena (Reclam UB 7733)

Hebbel, Judith (Reclam UB 13161)

Grillparzer, König Ottokars Glück und Ende (Reclam UB 4382)

GRMN 2913 Contemporary German Fiction

8 credit points. Dr Bandhauer. **Session:** Semester 1. **Classes:** Two 1 hour lectures and one 1 hour seminar per week. **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN 1133. **Assessment:** (Subject to revision) one 3000 word essay, class presentation(s) and/or class test(s), one 2 hour examination.

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

This Unit provides an overview of important currents in recent fiction in the German-speaking countries of Europe. A selection of highly acclaimed novels will be studied in depth and students will gain an insight into the diversity and originality of literature in the German language in the latter part of the twentieth century and an understanding of the relationship of literary texts to their historical and cultural contexts.

Textbooks

Hackel, Abschied von Sidonie (Diogenes detebe 22428)

Streeruwitz, Verführungen (Suhrkamp st 3108)

Özdamar, Mutterzunge (KiWi Taschenbücher Nr. 477)

Hein, Mein erstes T-Shirt (Serie Piper Bd. 3739)

GRMN 2950 Gender & Sexuality in German Literature

4 credit points. Dr Bandhauer. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN 1133. **Assessment:** (Subject to revision) one 3000 word essay, class presentation(s) and/or class test(s), one 2 hour examination.

Examines the works of some of the most important German and Austrian authors of the 'Jahrhundertwende'. Plays by Wedekind and Hauptmann and a novel by Schnitzler will be discussed.

Textbooks

Wedekind, Frühlings Erwachen (Reclam UB 7951)

Hauptmann, Und Pippa tanzt (Reclam UB 8322)

Schnitzler, Fräulein Else (Fischer Tb. 9102)

GRMN 3401 German In-Country Study 1

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133.

NB: 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:** Semester 1, Semester 2. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133.

NB: Department permission required for enrolment.

See GRMN 3401.

GRMN 3403 German In-Country Study 3

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133.

NB: Department permission required for enrolment.

See GRMN 3401.

GRMN 3404 German In-Country Study 4

4 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior credit points of German not including GRMN 1133.

NB: Department permission required for enrolment.

See GRMN 3401.

GRMN 3701 Quest for Identity in Frisch's Works

8 credit points. Dr Moulden. **Session:** Semester 1. **Classes:** Two 1 hour seminars and one 1 hour tutorial per week. **Prerequisites:** Credit average in 16 Senior credit points of German. **Assessment:** (Subject to revision) one 3000 word essay, class presentation(s) and/or class test(s), one 2 hour examination.

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

A principal theme of the novels of the Swiss writer Max Frisch is the search for one's true identity. This unit will examine the treatment of this theme in three of his major novels: 'Homo faber', where it is discussed within the framework of sexual politics and mythology; and 'Stiller', with its clash between the subjective interpretation and the legal and nationalistic definition of the concept; and 'Montauk', with its evaluation of the theme on the artistic and autobiographical levels.

Textbooks

Frisch, Homo faber (Suhrkamp st 354)

Frisch, Stiller (Suhrkamp st 105)

Frisch, Montauk (Suhrkamp st 700)

GRMN 4011 German Honours A

12 credit points. Coordinator: Dr Moulden. **Session:** Semester 1, Semester 2. **Classes:** 5 hours per week. **Prerequisites:** A major in German with a Credit average in 48

Senior credit points of German including 8 credit points of study at 2900 / 3700 level.

Assessment: (Subject to revision) language assignments, four 4000 word essays including two written in German, class presentation(s), one long essay of 12,000 - 15,000 words.

NB: 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 offered in 2005 are:

1. Quest for Identity in Frisch's Works

Dr Moulden

Offered: February

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s)

For the course description and textbook details please see the entry for GRMN3701

2. Influences on the German Language

Dr Haarbusch

Offered: February

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s).

This seminar will investigate the growing influence of the English language in particular on the German language on a grammatical and lexical level. We will analyse texts from various genres to trace

the developments of language change and further examine the history of the language purism movement and its present manifestations.

Textbooks:

German Language Influences Course Pack (UPS)

3. Warrior Women

Dr Borgert

Offered: July

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s)

This course examines the portrayal of four heroines, Johanna, Penthesilea, Medea and Judith, who have continued to fascinate writers (as well as other artists) as they endeavour to explore the multi-layered psychological make-up of these female figures. All of the heroines are strong and complex personalities who search in various ways to assert their female identity and autonomy by challenging the prevailing patriarchal structures and ideologies.

Schiller's play 'Die Jungfrau von Orleans' (1801) has as its subject the virginal female warrior figure from history who, despite a brief period of doubt, pursues her divine mission and dies in a blaze of glory on the battlefield. While Schiller's play received adulation, Kleist's contemporaries were deeply shocked by his tragedy 'Penthesilea' (1808). It deals with the conflict between Achilles and the Amazon queen Penthesilea who slays Achilles in the belief that he has scorned her love. The intensity of her love and her boundless hate render her oblivious to all else. Grillparzer's 'Medea' (1820) is the third drama in his trilogy 'Das goldene Vlies', which deals with the myth of Jason and the Argonauts. 'Medea', usually performed on its own, depicts a heroine who wreaks terrible vengeance on her husband by killing her own children. Hebbel's play 'Judith' (1840) is based on the apocryphal story of the same name, but Hebbel made significant changes in the portrayal of her character and in the interpretation of her motives for murdering Holofernes.

Textbooks

Schiller, Die Jungfrau von Orleans (Reclam 47)

Kleist, Penthesilea (Reclam 1305)

Grillparzer, Medea (Reclam UB 4380)

Hebbel, Judith (Reclam UB 3161)

4. Liebe als unglückliche Utopie: Liebesgeschichten in der modernen Literatur

Dr Bandhauer

Offered: July

Classes: 2 hours per week

Assessment: One 4000 word essay, class presentation (s)

This seminar will look at the deconstruction of traditional love stories and love myths. It will examine the roles of women in such stories and how the traditional love plot is written in modern literature by women.

Textbooks

Bachmann, Das dreißigste Jahr (Piper 1509)

Wolf, Medea, Stimmen (dtv 12444)

Maron, Animal Triste (Fischer Tb. 13933)

GRMN 4012 German Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** GRMN4011.

Refer to GRMN 4011.

GRMN 4013 German Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** GRMN4012.

Refer to GRMN 4011.

GRMN 4014 German Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** GRMN4013.

Refer to GRMN 4011.

Greek (Ancient)

GRKA 1001 Greek 1.1

6 credit points. Dr MacAlister. **Session:** Semester 1. **Classes:** 4 lec & 1 tut/wk. **Assessment:** one 2hr exam, classwork and weekly assignments (equivalent to 2,500 words).

Greek 1.1 requires no previous knowledge of Greek. Normally students who have completed the HSC in Ancient Greek (or the equivalent) are not admitted. The aim of this unit is to provide students with a 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.

(iii) Classical grammar with graded texts and exercises.

(iv) Translation to and from Classical Greek.

3. Cultural, social and historical background is illustrated by the graded readings and prescribed texts.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)

5. Arts units of study

Abbott and Mansfield. A Primer of Greek Grammar (Duckworth)

Liddell and Scott. Abridged Greek Lexicon (OUP)

GRKA 1002 Greek 1.2

6 credit points. Professor Csapo. **Session:** Semester 2. **Classes:** 4 lec & 1 tut/wk. **Prerequisites:** GRKA 1001. **Assessment:** one 2 hour exam, one 1 hour exam, classwork and weekly assignments (equivalent to 1,500 words).

1. Classical grammar with graded texts and exercises
2. Prescribed texts: selections from a prose author or a verse author
3. Translation to and from Classical Greek
4. Cultural, social and historical background as illustrated by the graded readings and prescribed texts.

Textbooks

JACT Reading Greek (Text), Reading Greek (Grammar) (CUP)

either

Chariton's novel Chaireas and Kallirhoe (text to be supplied)

or

Scenes from Euripides ed. Kennedy

Abbott and Mansfield. A Primer of Greek Grammar (Duckworth)

Liddell and Scott. Abridged Greek Lexicon (OUP)

GRKA 2003 Greek 2.1

8 credit points. Dr E Gee. **Session:** Semester 1. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 1002 or GRKA 2302 and GRKA 2312. **Assessment:** two 1.5 hour exams, one 1,500 word essay, assignments and classwork (equivalent to 1,500 words).

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 E Gee. **Session:** Semester 2. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 2003. **Assessment:** two 1.5 hour exams, one 1,500 word essay, assignments and classwork (equivalent to 1,500 words).

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. Professor Wilson. **Session:** Semester 1. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 1102. **Assessment:** one 2 hour exam, one 1 hour exam (or equivalent), one 1,500 word essay, and classwork (equivalent to 1,500 words).

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. Professor Wilson. **Session:** Semester 2. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 2103. **Assessment:** one 2 hour exam, one 1 hour exam (or equivalent), one 1,500 word essay, classwork (equivalent to 1,500 words).

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:** Semester 1. **Classes:** 3 classes/wk. **Prerequisites:** 18 Junior credit points including 12 credit points in Archaeology or Classical Civilisation or Latin or Ancient History or Philosophy or Modern Greek. **Corequisites:** 8 Senior credit points in Archaeology or Classical Civilisation or Latin or Ancient History or Philosophy or Modern Greek. **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. Professor Csapo. **Session:** Semester 2. **Classes:** 3 classes/wk. **Prerequisites:** GRKA 2301. **Assessment:** weekly assignments, classwork (equivalent to 1,500 words), one 1.5 hour 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:** Semester 2. **Classes:** 1 lec/wk & 1 tut (optional). **Prerequisites:** GRKA 2301. **Corequisites:** GRKA 2302. **Assessment:** on-going assignments (equivalent to 1,500 words), one 1 hour exam, one 0.5 hour 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 2801 Greek (Ancient) Exchange

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

NB: Department permission required for enrolment.

GRKA 2802 Greek (Ancient) Exchange

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

NB: Department permission required for enrolment.

GRKA 2802 Greek (Ancient) Exchange

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

NB: Department permission required for enrolment.

GRKA 2901 Special Greek 2.1

4 credit points. Professor Wilson. **Session:** Semester 1. **Classes:** 2 classes/wk. **Prerequisites:** Credit or better in GRKA1002 or GRKA2302 or GRKA1102. **Corequisites:** GRKA 2103 or GRKA 2003. **Assessment:** two 1 hour exams and two 1,000 word essays or two 2,000 word essays.

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

Two Extension Topics. Extension Topics will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 2902 Special Greek 2.2

4 credit points. Professor Wilson. **Session:** Semester 2. **Classes:** 2 classes/wk. **Prerequisites:** GRKA 2901. **Corequisites:** GRKA 2104 or GRKA 2004. **Assessment:** two 1 hour exams and two 1,000 word essays or two 2,000 word essays.

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

Two Extension Topics. Extension Topics will be posted on the Greek noticeboard before the end of teaching in Semester 2 of the previous year.

GRKA 3005 Greek 3.1

8 credit points. Professor Wilson. **Session:** Semester 1. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 2004. **Assessment:** one 2 hour exam, one 1 hour exam (or equivalent), one 1,500 word essay, classwork (equivalent to 1,500 words).

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. Professor Wilson. **Session:** Semester 2. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 3005. **Assessment:** one 2 hour exam, one 1 hour exam (or equivalent), one 1,500 word essay, classwork (equivalent to 1,500 words).

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. Professor Wilson. **Session:** Semester 1. **Classes:** 4 lec/wk. **Prerequisites:** GRKA 2104 or GRKA 3006. **Assessment:** one 2 hour exam, one 1 hour exam (or equivalent), one 1,500 word essay, classwork (equivalent to 1,500 words).

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. Professor Wilson. **Session:** Semester 2. **Classes:** 4 lec/wk. **Prerequisites:** 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. Professor Wilson. **Session:** Semester 1. **Classes:** 2 classes/wk. **Prerequisites:** Credit average in 24 credit points of 2000 level Greek incl GRKA 2901 + GRKA 2902. **Corequisites:** GRKA 3105 or GRKA 3005. **Assessment:** two 1 hour exams and two 1,000 word essays or two 2,000 word essays or one 2 hr exam and one 2,000 word essay.

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

Two 1 hour Extension Topics or one 2 hour Extension Topic. Extension Topics will be 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. Professor Wilson. **Session:** Semester 2. **Classes:** 2 classes/wk. **Prerequisites:** GRKA 3903. **Corequisites:** GRKA 3106 or GRKA 3006. **Assessment:** two 1 hour exams and two 1,000 word essays or two 2,000 word essays or one 2 hour exam and one 2,000 word essay.

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

Two 1 hr Extension Topics or one 2 hr Extension Topic. Extension Topics will be 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. Professor Wilson. **Session:** Semester 1, Semester 2. **Classes:** three 1 hour seminars/wk or one 2 hour seminar and one 1 hour seminar/wk (three 1 hour extension topics or one 2 hour extension topic and one 1 hour extension topic). **Prerequisites:** Credit in 60 credit points of Greek including GRKA3903 and GRKA3904 and either GRKA3105 and GRKA3106 or GRKA3005 and GRKA3006. **Assessment:** six 1 hour exams or equivalent, two 1.5 hour exams and one 3 hour exam.

NB: Department permission required for enrolment.

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:** Semester 1, Semester 2. **Prerequisites:** Refer to GRKA4011. **Corequisites:** GRKA4011. **Assessment:** Refer to GRKA4011.

Refer to GRKA4011

GRKA 4013 Greek Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to GRKA4011. **Corequisites:** GRKA4012. **Assessment:** Refer to GRKA4011.

Refer to GRKA 4011

GRKA 4014 Greek Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Refer to GRKA4011. **Corequisites:** GRKA4013. **Assessment:** Refer to GRKA4011.

Refer to GRKA4011

Greek and Roman Literature**GRLT 2303 Greek and Roman Literature - Tragedy**

8 credit points. Dr MacAlister, Professor Wilson, Dr L. Watson. **Session:** Semester 1. **Classes:** 2 lec/wk & 1 tut/wk. **Prerequisites:** 18 Junior credit points. **Assessment:** one 2000w essay, one project, take-home exam, attendance and participation.

A selection of plays by the Greek tragedians, Aeschylus, Sophocles and Euripides, and three plays by the Roman tragedian Seneca will be studied. The approach taken to the Greek plays will be multi-dimensional: a study of the plays in their historical, cultural and social context in relation to political, cultural, moral and religious values; a study of the plays as performance with special reference to the origins of the genre and to staging; and studying them in relation to one another. Particular consideration will be given to the tragedians' creative adaptation of mythological models as vehicles of expression for their social and moral concerns. As for the Roman plays, an especial focus of attention will be: the philosophical backdrop to the plays, tragedy as political allegory; the influence of rhetoric; the deliberate cultivation of horror.

Textbooks

Prescribed plays

Aeschylus. Agamemnon, Libation Bearers, Eumenides

Sophocles. Antigone, Oedipus Tyrannus, Electra

Euripides Hippolytus, Electra, Iphigenia among the Tauri

Seneca Thyestes, Phaedra, Trojan Women

Textbooks

D. Grene and R. Lattimore (eds) Selected Greek Tragedies vols I,II and III (Chicago U.P.)

E. F. Watling, ed and transl. Seneca. Four Tragedies and Octavia (Penguin Classics)

GRLT 2304 Greek and Roman Literature - Comedy

8 credit points. Ms F Muecke, Professor Csapo. **Session:** Semester 2. **Classes:** 3 hrs/wk. **Prerequisites:** 18 Junior credit points. **Assessment:** one 2hr exam, one 2,500w essay, one 1500 word equivalent project, attendance and participation (reading journal).

The Greek comedies of Aristophanes and Menander and the Roman comedies of Plautus and Terence. In the earliest writers of western comedy, we find the models for political and fantastic comedy, social comedy, the comedy of popular entertainment and the elegant comedy of manners and morals. The unit treats ancient comedy in its social, political and cultural contexts in the Athenian world of the fifth and fourth centuries B.C. and the Roman world after the Second Punic War. Within the genre and the individual plays we explore comic themes, preoccupations and conventions. Opportunity will be provided to explore connections with later European literatures.

Textbooks

Prescribed plays:

Aristophanes Wasps, Birds, Frogs, Wealth

Menander. Dyskolos, Samia

Plautus The Brothers Menaechmus, Amphitruo, Pseudolus

Terence The Eunuchus, The Brothers

Harrison. Tony The Trackers of Oxyrhynchus

Williamson, Flatfoot: A Roman Comedy of Bad Manners

Textbooks:

Aristophanes The Knights and Other Plays trans. D. Barrett and A.H. Sommerstein (Penguin Classics)

Aristophanes Three Comedies (The Frogs, etc.) trans. D. Barrett (Penguin Classics)

Menander Plays and Fragments trans. N. Miller (Penguin Classics)

Plautus Plays: The Pot of Gold, etc. trans. E.F. Watling (Penguin Classics)

GRLT 2801 Greek and Roman Literature Exchange

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

NB: Department permission required for enrolment.

GRLT 2802 Greek and Roman Literature Exchange

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

NB: Department permission required for enrolment.

Hebrew (Classical)**HBRW 1111 Hebrew Classical B1**

6 credit points. Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 4 hours per week. **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:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1111. **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 (T'nach) for reading

HBRW 1311 Hebrew Classical A1

6 credit points. Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HSC Hebrew or equivalent. **Assessment:** Two 1.5 hour exams (55%), continuous assessment and class participation (20%), essay (25%).

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:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1311. **Assessment:** Two 1.5 hour exams (55%), continuous assessment and class participation (20%), essay (25%).

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. Dr Berrin, Dr Young. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1112 or HBRW 2402. **Assessment:** Two 1.5hr exams (60%), continuous assessment and class participation (20%), essay (20%).

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

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. Dr Young, Ms Davey, Dr Berrin. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2113. **Assessment:** Two 1.5 hour exams (55%), continuous assessment and class participation (20%), essay (25%).

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

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. Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2114 or HBRW 2314. **Assessment:** Two 1.5hr exams (60%), continuous assessment and class participation (20%), essay (20%).

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

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. Dr Young, Dr Berrin. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2115. **Assessment:** Two 1.5 hour exams (55%), continuous assessment and class participation (20%), essay (25%).

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

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. Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1312. **Assessment:** Two 1.5 hour exams (55%), continuous assessment and class participation (20%), essay (25%).

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

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. Dr Young, Dr Berrin. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2313. **Assessment:** Two 1.5 hour exams (55%), continuous assessment and class participation (20%), essay (25%).

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

Consists of: set classical texts (2 hours) and special background area study (2 hours)

HBRW 2401 Hebrew Accelerated C1

8 credit points. Dr Young, Dr Berrin. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 18 Junior credit points including 12 credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies. **Corequisites:** 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. **Assessment:** Exam (60%), continuous assessment (40%).

An introduction to Hebrew language for those whose existing co-requisite 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. Dr Young, Dr Berrin. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** 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:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** 12 Junior credit points of Hebrew. **Assessment:** Exam (70%), continuous assessment and class participation (30%).

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:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** HBRW 2901. **Assessment:** Exam (70%), continuous assessment and class participation (30%).

Builds on the foundation of Aramaic B1. It introduces the student to non-Biblical Aramaic dialects.

HBRW 2911 Syriac B1

4 credit points. Dr Young. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** 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. Dr Young. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** 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:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** HBRW 2902. **Assessment:** One 1.5 hour exam (70%), continuous assessment and class participation (30%).

Continues the study of Aramaic texts begun in Aramaic B1 and B2.

HBRW 3902 Aramaic B4

4 credit points. Dr Young. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** HBRW 3901. **Assessment:** One 1.5 hour exam (70%), continuous assessment (30%).

Continues the study of Aramaic texts from Aramaic B3.

HBRW 3911 Syriac B3

4 credit points. Dr Young. **Session:** Semester 1. **Classes:** 2 hours per week. **Prerequisites:** 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. Dr Young. **Session:** Semester 2. **Classes:** 2 hours per week. **Prerequisites:** 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.

HBRW 4011 Hebrew (Classical) Honours A

12 credit points. Dr Young, Dr Berrin. **Session:** Semester 1, Semester 2. **Classes:** 6 hours per week. **Prerequisites:** 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%).

NB: Department permission required for enrolment.

First Semester: (i) Students will continue their study of classical Hebrew texts with the study of the Megilloth; (ii) An additional Semitic language will be studied (2 hours per week) 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:** Semester 1, Semester 2. **Corequisites:** HBRW4011. Refer to HBRW 4011

HBRW 4013 Hebrew (Classical) Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4012. Refer to HBRW 4011

HBRW 4014 Hebrew (Classical) Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4013. Refer to HBRW 4011

Hebrew (Modern)**HBRW 1011 Hebrew Modern B1**

6 credit points. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit provides an introduction to Modern Hebrew. It is intended for students who have little or no previous knowledge and practice of the language. The unit will foster the development of oral communication skills relating to every day topics. It will include teaching the Hebrew alphabet and basic reading and writing skills as well as the introduction of basic vocabulary and language patterns. It is imperative that all prospective students contact the coordinator to arrange for a placement test upon enrolment.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000) Hebrew from Scratch, Part I (new edition) Academon, Jerusalem.

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

HBRW 1102 Hebrew Modern B2

6 credit points. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1011. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit is an extension of the work done in HBRW 1011 (B1). It will further develop the language skills acquired in B1. This unit involves a range of learning styles that will assist you to further develop and consolidate your listening, speaking, reading and writing skills.

Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000), Hebrew from Scratch, Part I (new edition) Academon, Jerusalem.

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

HBRW 1301 Hebrew Modern A1

6 credit points. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study presumes a good knowledge of Modern 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. Special significance is attached to level Gimel, which this unit of study begins to cover, for upon the completion of level Gimel, one can be considered to be admitted to regular studies at the Hebrew University, Jerusalem. It is imperative that all prospective students contact the coordinator to arrange for a placement test upon enrolment.

Textbooks

Cohen, M. (1992), Hebrew, What a Language (Agada Shel Safa) Academon, Jerusalem.

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

Further materials are supplied by the department.

HBRW 1302 Hebrew Modern A2

6 credit points. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 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.

HBRW 2103 Hebrew Modern B3

8 credit points. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1102. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study consists of an intensive study of spoken Modern Hebrew with emphasis on communicative skills that will enable students to communicate in simple Hebrew for everyday situations. Simple literary texts and language components, which are orientated

around relevant themes, are dealt with. A variety of different methods will be used to explain grammatical structures, morphology and syntax and to provide examples in their use.

Textbooks

Chayat, S, Israeli S, Kobliner H. (2000), Hebrew from Scratch. Part I (new edition) Academon. Jerusalem.

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

HBRW 2104 Hebrew Modern B4

8 credit points. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2103. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an extension of the work done in HBRW 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.

HBRW 2105 Hebrew Modern B5

8 credit points. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2104. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study covers language skills and knowledge of level Beit. In addition to consolidating and further developing spoken communication and writing skills, this unit of study 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.

HBRW 2106 Hebrew Modern B6

8 credit points. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2105. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an extension of the work done in HBRW 2105 (B5). By the end of the unit the students will be able to converse confidently in everyday Hebrew. As well, this unit of study 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.

HBRW 2303 Hebrew Modern A3

8 credit points. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 1302. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an intensive language learning programme for students who have good knowledge of Modern 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

HBRW 2304 Hebrew Modern A4

8 credit points. Ms Gilead. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** HBRW 2303. **Assessment:** Continuous class assessment, class tests, semester exam.

This unit of study is an extension of the work done in HBRW 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.

5. Arts units of study

HBRW 2305 Hebrew Modern A5

8 credit points. Ms Gilead. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** HBRW 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.

HBRW 2306 Hebrew Modern A6

8 credit points. Ms Gilead. **Session:** Semester 2. **Classes:** 4hrs per wk. **Prerequisites:** HBRW 2305. **Assessment:** Continuous class assessment, class tests, semester exam. This unit of study is an extension of the work done in HBRW 2305 (A5).

Textbooks

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

Further material will be supplied by the department.

HBRW 4021 Hebrew (Modern) Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Consult Department for details.

NB: Department permission required for enrolment.

HBRW 4022 Hebrew (Modern) Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4021.

HBRW 4023 Hebrew (Modern) Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4022.

HBRW 4024 Hebrew (Modern) Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** HBRW4023.

Heritage Studies

HRTG 2001 Approaching Heritage Studies

8 credit points. Dr Annie Clarke. **Session:** Semester 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. **Prerequisites:** At least 18 junior credit points. **Assessment:** one 3000 word essay and one 3000 word report.

This unit of study examines the historical, theoretical and political issues associated with the interpretation of cultural heritage, historic sites and landscapes. Students are offered an overview of the heritage industry and Heritage Studies. This unit of study engages with policies, and associated professional practices such as conservation and preservation and their impacts on culture and community. Issues specific to Australia such as Indigenous land claims are examined in the context of international debates.

HRTG 2002 The Museum and Cultural Heritage

8 credit points. Dr Annie Clarke. **Session:** Semester 2. **Classes:** 2 hours of lectures and one 1 hour tut/wk. **Prerequisites:** HRTG 2001 or ARHT2034. **Assessment:** one 3,000 word essay and one 3,000 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:** Semester 1. **Classes:** 2 hour seminar per week. **Prerequisites:** HRTG 2001 or ARHT2034. **Assessment:** one 3,000 word essay and one 3,000 word seminar papers and presentation.

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:** Semester 2. **Classes:** one 2 hour seminar/wk. **Prerequisites:** HRTG 2001 or ARHT2034. **Assessment:** one 3,000 word essay and one 3,000 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:** Semester 1. **Classes:** 4 hrs/week. **Assessment:** Classwork and exam.

An introduction to the grammar and syntax of Hindi-Urdu as a spoken language. The unit will deal with:

1. basic elements of Hindi-Urdu grammar, phonetics and orthography;
2. spoken Hindi-Urdu;
3. readings of set text, translation from Hindi-Urdu into English and English into Hindi-Urdu.

Textbooks

R. Barz and Y. Yadav An Introduction to Hindi and Urdu (Munshiram Manoharlal, 1993)

HIUR 1002 Hindi and Urdu Introductory 2

6 credit points. Dr Oldmeadow. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** HIUR 1001. **Assessment:** Classwork & exam.

This unit is an extension of work done in HIUR 1001. Students will achieve a reading and writing ability in basic Hindi-Urdu by the end of the unit.

HIUR 2001 Hindi and Urdu Intermediate 1

8 credit points. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 4hrs/week. **Prerequisites:** 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:** Semester 2. **Classes:** 4hrs/week. **Prerequisites:** 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:** Semester 1. **Classes:** 4 hrs/week. **Prerequisites:** 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:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** HIUR 3001. **Assessment:** Classwork & exam.

This unit is an extension of work done in HIUR 3001.

History

HSTY 1022 Europe in the High Middle Ages

6 credit points. A/Prof. J Pryor. **Session:** Semester 1. **Classes:** 2 lecture & 1 tutorial/wk. **Assessment:** Two 1000-word papers and one weekend take-home examination of 2000 words; 60% classwork and 40% exam.

NB: It is anticipated that lectures and tutorials in this course will be also available over the Internet. Students interested should consult A/Prof John Pryor.

This Unit provides an introduction to selected fundamental aspects of European history in the High Middle Ages, including Western contacts with the Muslim and Byzantine worlds and the further worlds of Eurasia and Africa.

At home the Unit focuses on the development of "feudal" society and feudal monarchies; the evolution of the Church and of heretical movements, the growth of the economy and development of urban society and a bourgeois ethic, changing attitudes towards wealth and the creation of it, technological innovation in agriculture, industry and transportation; intellectual life and the emergence of universities; the crisis of aristocracy in the fourteenth century; and the impact of climatic change and the Black Death.

Abroad it examines the expansion of Western Europe into Muslim Spain and Sicily, Byzantine Italy, and Slavic Eastern Europe; the expansion of intellectual horizons as a result, contacts with Muslims and Mongols, European discovery of China, India and North Africa; ending with the exploration of the Atlantic.

Students have the opportunity to develop an understanding of how the European economy and society evolved during the High Middle Ages to the point that by ca. 1400 Western Europe was poised to begin its assault on the rest of the world. Tutorials examine primary source materials and students have the opportunity to develop understanding of the contexts in which they were created and the purposes for which they were created, as well as the skills necessary to comprehend them and to use them and to use them to support the writing of history.

HSTY 1031 Renaissance and Reformation (1498-1648)

6 credit points. Dr A Fitzmaurice. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assessment:** One 2500 word essay, and one 2 hour exam (total 4500 words).

Starting with the brilliant culture of Renaissance Italy, with its courts, despots, republics, courtiers, diplomats, with its humanists, artists and their patrons, the course will then move to the religious, political, social and cultural revolution known as the Reformation, with its great theologians, preachers and writers like Luther, Calvin, More and Montaigne. Throughout the semester, attention will be paid to both 'high' and popular culture. The course will conclude with an examination of how these forces were played out in the English Revolution. Attention will also be given to Europe's 'discovery' and conquest of the New World.

HSTY 1044 Twentieth Century Politics and Culture

6 credit points. Dr Keene. **Session:** Semester 2, S2 Late Int. **Classes:** 2 lec & 1 tut/wk. **Assessment:** 2500 words written work and one 2 hr exam; 60% classwork and 40% exam.

This unit traces the history of public and private life through the examination of the political and social events which have shaped the twentieth century. In particular, the focus is on the daily lives of those who experienced these events. Using a variety of sources from oral history, first person accounts and literary works, as well as new historical interpretations, students will examine the ways in which ordinary people have attempted to respond to the changing world around them.

HSTY 1045 Modern European History 1750-1914

6 credit points. A/Prof. R Aldrich, Dr A Bashford. **Session:** Semester 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. **Session:** Semester 1. **Classes:** 2 one hour lectures and 1 one hour tutorial per week. **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:** Semester 2. **Classes:** two lectures and one tutorial/week. **Assessment:** one 500w document exercise, one 2,000w essay and one 2 hr exam.

Between 1880 and 1940, Australia's transformation from disparate colonies to self-conscious nation was marked by battles over land, law and labour, waged on remote frontiers and in populous cities. But it was also formed out of unities of blood, race and loyalty. Traces of a contested history lie all around us: in the transformed environment, cultural heritage, museums and memorials, libraries and archives. This unit examines those sources to discover the ways past Australians imagined their identity, in crises and in everyday life.

Recommended reading:

Stuart Macintyre, *A Concise History of Australia* (Cambridge University Press, 1999)

Richard White, *Inventing Australia: Images and Identity 1688-1980* (Allen & Unwin, 1981)

HSTY 1801 History Exchange

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

HSTY 1802 History Exchange

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

HSTY 2001 Religion & Society: Conversion & Culture

8 credit points. Dr L Olsen, A/Prof A Shboul, Dr T Swain. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient

History, Economic History or Asian History and Culture. **Assessment:** One 3000-word take-home exam, 3000 words written work; 60% classwork and 40% exam.

In 13th-century Karakorum, capital of the Mongol empire, a debate was held between Christians, Muslims and Buddhists. Starting from this, we will examine religious change as cultural change thematically and comparatively with reference to Medieval European Christianity (where missionising was often part of an imperialist package), Islam (which had an empire but little missionising) and Chinese Buddhism (strongly missionising but if anything anti-imperial). This unique unit is for religious, indifferent and anti-religious people. It involves discussion of processes of acculturation and the interplay between religious and other aspects of cultural 'conversion', including language and art.

HSTY 2003 Cultural Transmissions 1750-1914

8 credit points. Prof. R Waterhouse and Dr M MacKellar. **Session:** Semester 2. **Classes:** 2 one hour lectures, 1 one hr tute. **Prerequisites:** 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 MacKellar. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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 2006 China in its World

8 credit points. Dr J Wong. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** one 2hr exam or equivalent, 3000-4000w written work.

This course explores the modern history of China, the awakening giant. It begins with an examination of the Opium Wars in the mid-19th century, then the Taiping heavenly kingdom on earth and the Boxer Rebellion. It then proceeds to analyse important events in the twentieth century, including the first republican government ever created on that land, the attempted communist utopia, and the down-to-earth approach of the late Deng Xiaoping. It pays special attention to the interaction of domestic change and international politics. Now, South China alone, spearheaded by Hong Kong, has the fastest economic growth rate in the world, overtaking Japan and America. What does this augur for the rest of the world?

HSTY 2009 The Black Experience in the Americas

8 credit points. Ms C Corbould. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 2hr exam or equivalent, and 4000 words of written work; 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 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.

Topics include: African cultures and their adaptations in the New World settings; slave trade; emergence of plantation systems and slavery; varieties of slave culture; slave violence and forms of resistance; race relations in post slave societies; emergence of northern ghettos; black nationalism and mass movements of the 1920s; black music, literature and film; Martin Luther King and the Civil Rights Movement; Malcolm X, the black Muslims and black power.

5. Arts units of study

HSTY 2014 Australian Social History 1919-1998

8 credit points. TBA. **Session:** Summer, S1 Late Int. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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 2019 Australia to 1888

8 credit points. Dr K McKenzie. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** one 2hr exam or equivalent, one 1000w tut paper, one 3000 word essay, 70% for classwork, 30% for exam.

This course offers a critical understanding of the processes of colonisation in Australia, and of the national history that has been built on them. What happened in 1788? This unit considers the economic, social and cultural impact of colonisation on both the white settlers and the Indigenous population, and the different ways in which racial conflict was experienced and understood. It then probes the aspirations and torn loyalties of early Australian colonists, convict and free, and their ambiguous positioning between the 'Old World' and the 'New'. Through a focus on historic moments of struggle - over democracy, gold, labour - it considers conflict and the contested aims of colonisation within the emerging society. The unit concludes with the centennial celebrations of 1888, when Australians took stock and pondered the nature of colonial identity and the meaning of their history.

HSTY 2023 Revolutions

8 credit points. Dr Zdenko Zlatar. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 2hr exam or equivalent, one 3000w essay, one 1000w tutorial paper, 60% essay/classwork and 40% exam.

Revolutions have dominated the change in the modern world from the time of the revolt against privilege in Old-Regime France in 1789 to the collapse of the Communist regimes of Eastern Europe in 1989-91. This unit will examine the French Revolutions of 1789 and 1848, the revolutions in East Central Europe in 1848, and the Russian Revolutions of 1905 and 1917. Students will examine both the types of revolutionary experience, and the many historians, social scientists and political theorists and the ways they have organised and conceptualised their data.

HSTY 2025 Class and Culture in Modern England

8 credit points. Dr C Hilliard. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** 1000w paper, 3000w essay, 2hr exam.

Class has long been a central term in British history, and over the last twenty years historians have increasingly interpreted class as a cultural structure as well as a social one. This course examines the interplay between the cultural, the social, and the political in the development of the 'working' and 'middle' classes in the nineteenth and twentieth centuries, and looks at the relations between class and the media, literature, education, urban life, and commercial culture.

HSTY 2029 Sex and Scandal

8 credit points. Dr P Russell. **Session:** Summer, Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** One 2hr exam, one 3000 word essay, one 1000 word paper; 70% classwork and 30% exam.

What makes a scandal? In this unit we examine a number of sensational case studies from England, America and Australia and discover the mingled horror and enjoyment with which they have been told, received, and retold. We begin with the sensational reputation of Marie-Antoinette, whose fate made a profound impression on English imagination. We then weave through the increasingly straitlaced nineteenth century, in which scandals abounded, destroying reputations, rulers and families. It is not behaviour but the ever-changing interpretations of behaviour that give rise to condemnation and scandalised indignation. Examining occasions when social rules regarding marriage, belief and political authority have been gloriously flouted allows us to consider the ways in which rules are themselves constituted, maintained and challenged. Examining the fate of those who may be seen as either victim or guilty perpetrator of scandal allows us to consider the changing nature of retribution, by or against those in power.

HSTY 2045 Italy and the Wider World

8 credit points. Dr N Eckstein. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or

Asian History and Culture. **Assessment:** 2hr take-home exam, 3000 word essay, 1000 paper; 70% classwork and 30% exam.

This course looks through the visible exterior of Italian urban culture to penetrate the complex of inherited attitudes and beliefs that are revealed in ritual and everyday behaviour, and which are expressed in art, architecture, the fabric of the city and the uses to which all material culture is put. The course combines a survey approach with the investigation of specific themes to examine urban life on the Italian peninsula, and how that urban life has influenced other western societies including our own. Students will make use of a wide range of documentary resources including literary and non-literary textual sources, art, sculpture, architecture, the physical urban environment, photography and cinema. Major themes include: the development of the Italian town from its Greco-Roman origins and its subsequent evolution in places including Venice, Florence, Siena, San Gimignano, Rome and Palermo in the Medieval, Renaissance and early-modern periods; the history of domestic and public spaces and of 'private' versus 'public' cultures; visual traditions and their relationship to the perception of everyday reality and the arts; urban visions of life in the countryside and the birth of a modern concept of 'landscape'; Classical and Imperial ideals; the individual versus the group and the rise of courtly society; the 'mythicization' of Italy by intellectuals in the modern period and the collision of modernism with 'traditional' modes of Italian life in the twentieth century.

HSTY 2047 Renaissance Italy

8 credit points. Dr N Eckstein. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** 4,000-5,000 words written work, 90% written work 10% participation.

This unit investigates the social, political and economic life and urban development of Italy between the early fourteenth and mid-sixteenth centuries to analyse and explain the extraordinary flowering of social, artistic, intellectual and cultural life of the Renaissance. The course is built around a special study of Florence, emphasises developments in Venice and Rome, and traces 'Urbino, Ferrara and Vicenza'. Major themes of the course include: the political culture of Italian city-states and a critical appraisal of Italian class structure; the social context of art and architecture; artistic and political patronage; urbanism, neighbourhood and community life; domestic and family life; the importance of religion in people's lives, humanism and education; the gendering of urban space; the position of women; constructions of sexuality and deviance; dissidence and rebellion; attitudes to the poor; religious reform; the growth of the proto-princely state and the emergence of High Renaissance culture; Machiavelli's and Guicciardini's political and historiographical critiques of the Renaissance state. Throughout, students will be encouraged to make active use of a wide variety of textual and visual primary sources including the city itself, and will be invited to consider critically the concept of the Renaissance, and to question the modern image of the Renaissance and its impact on our own age.

HSTY 2051 The Spanish Civil War

8 credit points. Dr J Keene. **Session:** Semester 1. **Classes:** 2 hrs/wk lectures, 1 hr/wk tutorial. **Prerequisites:** 12 Junior History or Spanish Language credit points. **Assessment:** One 1000 word tutorial paper, one 3000 word essay and a 2 hour exam.

The Spanish civil war (1936-1939) was a critical event in modern Spanish history and in international relations. The conflict in Spain elicited an enormous response from intellectuals and activists of the Left and Right around the world. As well, some hundred thousand foreigners enlisted in Spain, most with the Republican International Brigades in what, politically and militarily, was the curtain-raiser to World War Two. This unit enables students to study this important and fascinating twentieth century event in depth.

HSTY 2052 Genocide in Historical Perspective

8 credit points. Dr D Moses. **Session:** Semester 1. **Classes:** 2hrs lec/wk; 1hr tut/wk. **Prerequisites:** 12 credit points of History. **Assessment:** 2000w essay, 4000w essay.

This unit will introduce students to the field of genocide studies, beginning with competing definitions of genocide, and moving to a detailed treatment of various cases in world history. Whether each case is a genocide will be considered with reference to the discussed definitions. The legal prosecution of genocide will be covered. The Holocaust, to which a separate unit is devoted, will be referred to in lectures but not in tutorials, and will not be the subject of assessment.

HSTY 2056 A House Divided: The American Civil War

8 credit points. Dr F Clarke. **Session:** Semester 2. **Classes:** 2 hrs lecture and 1 hr tutorial/week. **Prerequisites:** 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 take-home exam (30%) and tutorial participation (15%).

The Civil War had momentous consequences for America - realigning the political balance between North and South and state and federal governments, ending slavery and forever transforming mil-

lions of lives. This unit analyses the social, cultural and political history of the Civil War and Reconstruction. We will examine issues such as soldiers' motivations and combat experiences, civilian mobilization, the war's effects on gender and race relations and the causes for Reconstruction's failure, as well as looking at how these events continue to resonate in American culture.

HSTY 2059 Nationalism

8 credit points. A/Professor R Aldrich. **Session:** Semester 2. **Classes:** One 2 hour lecture and one 1 hour tutorial. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economics, or Asian History and Culture. **Assessment:** One ten-minute oral tutorial presentation (equivalent of 1000 word short essay); 3000 word long essay; 2 hour exam.

This unit analyses theories of nationalism, historical episodes of nationalism and cultural representations of nationalism. It introduces various approaches to the study of nationalism and provides an overview of the development of nationalism, particularly in nineteenth- and twentieth-century Europe. Contemporary episodes of nationalism, in Europe and elsewhere, are then studied. The unit also examines nationalism in art, literature and popular culture.

HSTY 2062 Atlantic World in the Age of Empire

8 credit points. Dr M McDonnell. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** one 2 hr exam (or equivalent), 4,000w writing; 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 2064 Communicating Culture in the Middle Ages

8 credit points. Dr J.A. Smith. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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 considers issues of cultural definition, control, access to information, and expression in the Middle Ages. This study of cultures goes 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 ordinary people learned about cultural expectations from a wide variety of sources.

HSTY 2065 Festivals and Faith

8 credit points. Dr J.A. Smith. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** One take-home exam (30%), one 3000w essay (40%), one 1000w tutorial paper (20%), tutorial participation (10%).

A lively and accessible survey of late medieval popular beliefs and religious practices. Topics include devotional practices, mysticism, festivals, saints' cults, pilgrimage, and heretical movements. The course locates religious practice in contexts such as medieval doctrine and liturgy, the development of affective piety, gender and the parish. Expressions of lay piety are to be found in a variety of primary sources including written texts, art works, and architecture, and students will have the opportunity of working with these remarkable resources.

HSTY 2066 American Revolutions

8 credit points. Dr M McDonnell. **Session:** Semester 1. **Classes:** 2 x 1hr lects, 1 x 1hr tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** 4000w essay, 2hr exam.

This course will explore the series of rebellions, wars, independence movements and revolutions that rocked the Atlantic World between 1750 and 1825. Though we'll focus on the American Revolution on particular, we will put that event in a larger Atlantic context, from the Native American resistance movements of the 1750s and 1760s, through to the Spanish American independence movements of the early nineteenth century. We'll also explore connections with the Haitian and French Revolutions and slave rebellions more generally.

HSTY 2067 US Imperialism in the Twentieth Century?

8 credit points. Ms C Corbould. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** 1000w paper, 3000w essay, 2hr exam or equivalent, class participation; 70% classwork, 30% exam.

1898: Teddy Roosevelt charges to the peak of Kettle Hill in the Spanish-American-Cuban War and ushers in a new international era of U.S. political and commercial power.

This unit examines: the U.S. overseas in the 20th century; political, economic, social and cultural forms of domination and how these transformed both those societies overseas and the U.S. itself; the value of applying the concept of imperialism to U.S. power; the historiography of the U.S. in the world starting with the story above.

HSTY 2068 The Rise and Fall of the First Reich

8 credit points. Dr L Olson. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial. **Prerequisites:** 12 credit points of junior-level History, Ancient History, Asian Studies or Economic History. **Assessment:** one 1500w tutorial paper, one 2500w essay, tutorial participation, 2hr formal examination.

This unit examines Germany and its neighbours, 911-1272 A.D., from its rise out of Carolingian Europe into the Medieval 'Great Power' until the fall of the ambitious and frustrated Hohenstaufen Dynasty left a disunited Germany and what ultimately became 'neither holy, nor Roman, nor an empire'. Included are Germany's prominent early medieval women and later mystic and composer Hildegard of Bingen; relationships with Italy, the Papacy and Eastern Europe; beautiful Ottonian art; brilliant literary development of Germanic and Arthurian legend.

HSTY 2069 Modern Eastern Europe

8 credit points. Dr Z Zlatar. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture. **Assessment:** 60% written work, 40% exam (2hr), 3000w essay, 1000w tutorial paper (total 4000w).

"The Lands In Between": Eastern Europe is defined in this course as the area east of Germany, Austria and Italy, and west of the lands of the former Soviet Union. The histories of the following countries will be offered: Poland, Czech and Slovak lands, Hungary, Croatia, Slovenia, Bosnia and Hercegovina, Serbia, Montenegro, Macedonia, Albania, Romania, Bulgaria and Greece. Emphasis will be on the impact of nationalism, capitalism and socialism on peoples, states and cultures in the 19th and 20th centuries.

HSTY 2801 History Exchange

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

HSTY 2802 History Exchange

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

HSTY 2803 History Exchange

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

HSTY 2807 History Exchange

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

HSTY 2808 History Exchange

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

HSTY 2901 Writing History: Reading the Past

4 credit points. Ms C Corbould. **Session:** Semester 1. **Classes:** 1 lec & 1 tut/wk. **Prerequisites:** Credit average in 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture. **Assessment:** 4000 words written work; 80% written work and 20% class participation.

NB: 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. Ms C Corbould. **Session:** Semester 2. **Classes:** 1 lec & 1 tut/wk. **Prerequisites:** HSTY2901. **Assessment:** 4000 words written work; 80% written work and 20% class participation.

NB: 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.

5. Arts units of study

HSTY 3001 History of Travel and Tourism

4 credit points. Mr R White. **Session:** Semester 1. **Classes:** One 2 hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 4000-5000 written words; written work 90% and class participation 10%.

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

This unit attempts an overview of the history of travel, working in part around the historical development of a distinction between the 'traveller' and the 'tourist'. Our route follows travellers from ancient times through medieval pilgrimage and the Grand Tour to the development of mass tourism and its relations to modern ways of seeing in the nineteenth century. It then examines the development of the contemporary industry in Australia, America, Europe and examines the relationship between tourism and imperialism in the 'Third World'. The course ends with considerations of postmodern travel experiences in Disneyland and cyberspace.

HSTY 3002 Issues in Travel and Tourism

4 credit points. Mr R White. **Session:** Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 4000-5000 written words; 90% written work and 10% class participation.

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

This unit builds on issues raised in the History of Travel and Tourism, with detours to particular places (the 'Orient', the Mediterranean, the Pacific), a close examination of particular travel writers, consideration of other theoretical approaches to travel and tourism and finally an assessment of the emergence of the 'post-tourist'.

HSTY 3023 Histories of Sexuality I

4 credit points. A/Professor R Aldrich. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 4000-5000 words written work; 90% written work and 10% class participation.

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

This unit critically explores theoretical and historiographical traditions concerning the construction of sexuality. The unit then analyses selected examples of sexual attitudes and behaviour, as well as the cultural representation of sexuality. In this semester, consideration will be given to various general theories of sexuality in history, and specific cases from Antiquity to the 1800s will be examined. These may include such themes as 'Greek love' in the classical world, courtly love in the Middle Ages, eighteenth-century libertinage, sexual cultures in the early modern world and the philosophy of sexuality and love. Special consideration will be given to same-sex attitudes and behaviour.

HSTY 3024 Histories of Sexuality II

4 credit points. A/Professor R Aldrich. **Session:** Semester 2. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** One 4000-5000 word essay; 90% written work & 10% class participation.

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

This unit continues the themes of Histories of Sexuality I and focuses on the history of the nineteenth- and twentieth- centuries with particular attention to the European tradition. Themes for discussion include romantic friendships, the emergence of sexual subcultures, Western 'discoveries' of sexual cultures in the non-Western world, sexual ideologies, prostitution, the development of sexuality, Freudianism, the 'sexual revolution' of the twentieth century, feminism and sexuality, and the impact of AIDS. Special consideration will be given to same-sex attitudes and behaviour.

HSTY 3047 The Making of the American National Myth

4 credit points. A/Prof. N Meaney. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 4000 written words.

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

This seminar explores the origin and nature of American nationalism: issues to be studied include the Puritan, Enlightenment and Frontier myths: modernisation and social identity: historians and myth-making: the influence of Protestant evangelicalism and mass education: sectionalism and Civil War: some comparisons with Australia and Europe.

HSTY 3048 The American National Myth

4 credit points. A/Prof. N Meaney. **Session:** Semester 2. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 4000 words written work.

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

This seminar will deal with race and ethnicity, working class movements and communities, individualism and conformity, Holly-

wood and popular culture, America's role in the world, the latter day crisis of Americanism. Some comparisons with Australia and Europe.

HSTY 3051 The Asian World and Australia I

4 credit points. Dr J Wong. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 3000-4000 words written work; 100% classwork.

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

The central theme of this unit is Australia's approaches to foreign relations since the Second World War, with a heavy emphasis on current affairs. It examines Australia's changing perceptions on issues such as the Cold War, the non-aligned Afro-Asian movements, the Third World (mainly the continents of Asia and Africa), the North-South Dialogue, APEC, globalisation and terrorism. Australian approaches will be contrasted subsequently with those of selected Asian regions including China, Japan, Korea, Taiwan and Hong Kong. This unit, together with a similar study in semester 2 (bearing a similar title) aims at reaching a mature understanding of Australia's relations with countries in the Indian-Pacific region.

HSTY 3052 The Asian World and Australia II

4 credit points. Dr J Wong. **Session:** Semester 2. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 3000-4000 written words.

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

This unit continues the study (commenced in HSTY 3051) of Australia's approaches to foreign affairs since the Second World War. It examines Australia's changing perceptions of the Cold War, the non-aligned Afro-Asian movements, the Third World (mainly the continents of Asia and Africa), the North-South Dialogue, APEC, globalisation and terrorism. Current concerns will be analysed in greater detail and old ones proportionately condensed to provide the background information. Australian approaches to these issues will be contrasted subsequently with those of selected Afro-Asian regions including those in Africa, the Middle East, South Asia, Southeast Asia and East Asia. The central aim of this study is to reach a mature understanding of Australia's relations with countries in the Indian-Pacific region.

HSTY 3085 The Celtic World

4 credit points. Dr L Olson. **Session:** Semester 1. **Classes:** 2 hr seminar/wk. **Prerequisites:** 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 (ANHS2901 and ANHS2902) (Credit average). **Assessment:** One 4000 word seminar paper plus seminar participation.

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

The Celtic Europe of late prehistory was, 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 3091 Love, Marriage & the Australian Colonies

4 credit points. Dr P Russell. **Session:** Semester 1. **Classes:** Two seminars per week. **Prerequisites:** 24 credit points of senior history including HSTY 2901 and HSTY 2902 at credit average. **Assessment:** One 3000w essay; one 1000w paper; tutorial attendance and participation.

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

This unit considers the ideology and experience of family, marriage, childhood and parenting in the Australian colonies before 1880. It examines the impact within colonising and indigenous communities of romantic and domestic ideologies, material circumstances and anxieties about the future.

HSTY 3092 Family & Romance in Modern Australia

4 credit points. Dr P Russell. **Session:** Semester 2. **Classes:** Two seminars per week. **Prerequisites:** 24 credit points of senior history units including HSTY 2901 HSTY 2902 at credit average or better. **Assessment:** 4000 words written work: one seminar presentation/paper; one long essay.

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

This unit considers the social place and meaning of mothers, fathers, sons and daughters in modern Australia. It examines the politics of gender in such sites as citizenship, medicine, sexuality, cities, rural and suburban families, and national culture and symbolism.

HSTY 3093 Race and Gender in America 1

4 credit points. Dr F Clarke. **Session:** Semester 1. **Classes:** One 2 hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History including HSTY2901 and HSTY2902. **Assessment:** One 1000w essay (20%), one 3000w essay (65%), seminar participation (15%).

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

In the recent past historians have begun to pay increasing attention to relatively powerless or marginal historical actors. This shift has profoundly reshaped the study of history and given rise to a host of innovative approaches. This seminar introduces students to these developments by looking at how scholars have incorporated race and gender into their analysis of nineteenth-century America. We will focus a variety of themes in this period, such as the rise of sentimentalism, the formation of a middle class and the culture of slavery and mastery in the antebellum South. Although the seminar readings concentrate on examples drawn from nineteenth-century America, one of the main aims is to introduce students to the theoretical and methodological concerns that accompanied the rise of race and gender analysis - 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:** Semester 2. **Classes:** One 2 hr seminar/wk. **Prerequisites:** Credit average in 24 credit points of History including HSTY2901 and HSTY2902. **Assessment:** One 4,000 word research paper (90%), seminar participation (10%).

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

This seminar focuses on how scholars over the past few decades have analysed race and gender in nineteenth century U.S. history. We will explore this recent literature in light of developments in the second half of the nineteenth century, including the growth of the women's rights movement, the discourse on lynching in the post-Civil War South and the reformulation of manhood and sexuality around the turn of the century. In the process of constructing their own primary research-based papers, students will apply some of this new historiography and analysis to their own research.

HSTY 3095 The Celtic World Revisited

4 credit points. Dr L Olson. **Session:** Semester 2. **Classes:** 2hr seminar/wk. **Prerequisites:** 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 4000 word seminar paper, plus seminar participation.

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

Whereas HSTY3085 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 3096 Worlds of Medieval Women 1

4 credit points. Dr J.A. Smith. **Session:** Semester 1. **Classes:** 2 lec/wk. **Prerequisites:** Credit average in 24 senior History credit points, including HSTY2901 and HSTY2902. **Assessment:** 3000w written work (80%); seminar participation (20%).

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

An examination of the cultural contexts of women's experience in Europe during the central and later Middle Ages. The spaces which comprised women's worlds and encompassed home, village, town, nunnery, and court, and these contexts form the basis for studying issues such as marriage and family, work, healthcare, the body, sexuality, deviance, learning, queenship, and authority. Primary sources are drawn from a broad variety of works by, for and about women, as well as visual evidence found in artworks, architecture, and archaeological reports.

HSTY 3097 Worlds of Medieval Women 2

4 credit points. Dr J.A. Smith. **Session:** Semester 2. **Classes:** 2 lec/wk. **Prerequisites:** Credit average in 24 senior History credit points, including HSTY 2901 and HSTY 2902. **Assessment:** 3000w written work (80%); seminar participation (20%).

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

Women saints and sinners, mystics, intellectuals, noblewomen, housewives all functioned within the cultural contexts examined in the first semester. This unit focuses on a series of case studies based on the lives of individual women who functioned within those contexts. Case studies include Heloise, Hildegard of Bingen, Christine de Pisan, Julian of Norwich and many more. The representations of the experiences of these women are found in a broad variety of primary sources which form the reading for seminars and assignments.

HSTY 3098 Class Struggles in the Atlantic World

4 credit points. Dr M McDonnell. **Session:** Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** Credit average in 24 senior credit points of History, including HSTY2901 and HSTY2902. **Assessment:** 500 word research statement; 3500w essay.

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

This course will take a broad comparative approach to the history of class struggles in the early modern Atlantic World. We'll focus on the experiences of the working classes – sailors and labourers, slaves and servants – in the Americas, Europe and Africa as they helped create, and make sense of, their own New Worlds. We'll also try to understand the intellectual developments that have reshaped approaches to the study of both class and the Atlantic World in recent years.

HSTY 3099 Public & Private Life: Britain 1707-1901

4 credit points. Dr C McCreery. **Session:** Semester 1. **Classes:** 2hr seminar/wk. **Prerequisites:** Credit average in 24 senior history credit points, including HSTY 2901 and HSTY 2902. **Assessment:** 3500w written work; 80% written work and 20% class participation.

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

As Britain developed into a political, economic and cultural world power, its people produced a rich body of printed and visual commentary (newspapers, diaries, satirical prints and paintings etc) on these developments. We use this material and the work of historians to explore contemporary attitudes to the following issues: the changing relationship of the monarch vis-à-vis Parliament, the crisis of the aristocracy, the consequences of urbanisation, men and women's participation in public and private life and press freedom and censorship.

HSTY 3100 Culture in 19th Century Imperial Russia

4 credit points. Dr Z Zlatar. **Session:** Semester 1. **Classes:** one 2hr seminar/wk. **Prerequisites:** Credit average in 24 senior History credit points, including HSTY2901 and HSTY2902. **Assessment:** 3000-4000w essay (90%), 10% tutorial participation.

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

"Between Heaven and Hell" is how one historian of Imperial Russia described its culture in the 19th and early 20th century. This seminar will deal with Russia's relationship to the West, and its impact on various aspects of Russian culture, including historiography, intellectual thought, literature, music and the arts. It will concentrate on trends, like Slavophilism, Conservative Nationalism Populism and Marxism, as well as on prominent historians, artists, composers, intellectuals, and members of the Left and Right intelligentsia.

HSTY 3101 Culture in 20th Century Soviet Russia

4 credit points. Dr Z Zlatar. **Session:** Semester 2. **Classes:** One 2hr seminar/wk. **Prerequisites:** Credit average in 24 senior History credit points, including HSTY2901 and HSTY2902. **Assessment:** 3000-4000w essay (90%), 10% tutorial participation.

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

Power and Utopia is the title of a textbook on 20th-century Soviet Russia, and this seems an appropriate description of Soviet culture. This seminar will deal with Soviet attempts to create a distinctive revolutionary culture followed by Stalinist conservatism, and the dissident movement. It will concentrate on trends, such as the Proletarian Culture, Socialist Realism and Samizdat, as well as on prominent historians, artists, composers and intellectuals.

HSTY 4011 History Honours A

12 credit points. Convenor: TBA. **Session:** Semester 1, Semester 2. **Classes:** two 2 hr seminars/week semester 1; one 2hr seminar/week semester 2. **Prerequisites:** Credit average in 48 Senior credit points of History, including HSTY2901 and HSTY2902, and 8 credit points of study at 3000 level. **Assessment:** 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).

NB: Department permission required for enrolment.

Two of the 3000 series of units and one of the following History IV General Seminars:

Writing Place (Dr M MacKellar) Semester 1

What is a sense of place? This seminar looks at the ways a history of place is inscribed into our imaginations. It asks how human society in the past has related to place and space. It examines contested places, places that are sacred, places that speak to an individual's identity and to the national imagination. Seminars will cover the relationship between the wilderness and the city, between rural places and urban places and between the land and the sea. The seminar offers students from different historical backgrounds the opportunity to apply theories of place to their particular area of study. Part of the focus of this course will be examining writing as a craft. Through examining pieces of historical writing that explore the significance

5. Arts units of study

of place, students will be encouraged to consider the craft of writing itself and develop their own writing skills at the higher level that honours work requires.

Imperial History/World History (Dr A Bashford) Semester 1

This unit explores the trends of four related historiographical fields: imperial history; world history; postcolonial history; histories of globalisation. Each of these traditions have taken global movement, colonisation and exchange as their objects of inquiry, often writing about centuries rather than decades of change. How are these historiographical traditions related to each other? What are their common or disparate genealogies, as intellectual projects? How has each departed, drawn form, or eschewed the other in their efforts to make sense of global history? Taking each field consecutively, we will read carefully the 'canonical' texts and the major responses. Given that histories framed under 'globalisation' are a recent historiographical move, students will have the opportunity to draw original links between these fascinating domains of historical inquiry.

Violence in History (Dr N Eckstein) Semester 1

This unit examines many of the cultural forms that violence has taken – and continues to take – in human history, and considers a range of methodological and epistemological approaches that historians use to examine violence. Violence is arguably one of the most easily essentialised issues that the historian can confront; it is also one of the most difficult to address dispassionately. This unit emphasises the conditioning role of factors including sexuality, gender, class and ethnicity to show the multifarious ways that violence is culturally constructed, and how it is inscribed in the consciousness of men and women in different historical contexts. The unit relates violence to other areas of social experience, and reveals violence as a key point of access for historians interested in investigating these other themes. Topics addressed in individual seminars include (among others): ritual killings and sacrifice in Ancient Rome and Aztec culture; violence as an agent of communication in the honour cultures of the Mediterranean; the construction of sexuality and sex-crime in early-modern Europe; the exploitation of violence in modern terrorism and the pathology of terrorist violence; the memorialisation of violence; violence in recent Australian history; and cinematic representations of violence.

HSTY 4012 History Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** See under HSTY4011. **Corequisites:** HSTY4011. See under HSTY4011

HSTY 4013 History Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** See under HSTY4011. **Corequisites:** HSTY4012. See under HSTY4011

HSTY 4014 History Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** See under HSTY4011. **Corequisites:** HSTY4013. See under HSTY4011

Indonesian and Malay Studies

INMS 1101 Indonesian Introductory 1

6 credit points. Dr Keith Foulcher. **Session:** Semester 1. **Classes:** 4 hrs/week. **Assessment:** Subject to revision: Assignments (20%), written tests (40%), oral tests (30%), class participation (10%). **NB:** Native or near native speakers of Indonesian or Malay must consult the department before enrolling.

This unit offers an introduction to the Indonesian language. It is designed to equip students with basic communication and reading skills and covers pronunciation, vocabulary acquisition, word formation, and sentence structure.

Textbooks

John U. Wolff et al., *Beginning Indonesian through self-instruction* (Cornell University, N.Y.) [Latest Edition] Books 1 and 2.

INMS 1102 Indonesian Introductory 2

6 credit points. Dr Keith Foulcher. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS 1101. **Assessment:** Subject to revision: Assignments (20%), written tests (40%), oral tests (30%), class participation (10%).

This is a continuing unit designed to consolidate and extend skills acquired in INMS 1101 and prepare students for further language study. Communication and reading skills will continue to be developed and more complex morphological and grammatical structures will be studied.

Textbooks

As for INMS 1101

INMS 2101 Indonesian Intermediate 1

8 credit points. Dr Keith Foulcher. **Session:** Semester 1. **Classes:** 4 hrs/week. **Prerequisites:** INMS 1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission. **Assessment:** Subject to revision:

Written assignments and essay in Indonesian (25%), written tests (40%), oral tests and group discussion in Indonesian (25%), class participation (10%).

This unit emphasises communicative activities in Indonesian, along with extensive development of reading and writing skills. 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

John U. Wolff et al., *Beginning Indonesian through self-instruction* (Cornell University, N.Y.) [Latest edition] Books 2 and 3.

INMS 2102 Indonesian Intermediate 2

8 credit points. Dr Keith Foulcher. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS2101. **Assessment:** Subject to revision: Written assignments and report in Indonesian (30%), written tests (30%), oral tests and class presentation in Indonesian (30%), class participation (10%).

This unit consolidates and extends skills acquired in INMS2101, and is designed to prepare students for advanced 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

As for INMS2101

INMS 2501 Indonesian In-Country Study A

8 credit points. Dr Keith Foulcher. **Session:** Semester 1, Semester 2. **Prerequisites:** INMS 1102 or INMS 2101.

NB: 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 2801 Indonesian Exchange

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

NB: Department permission required for enrolment.

INMS 2802 Indonesian Exchange

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

NB: Department permission required for enrolment.

INMS 2803 Indonesian Exchange

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

NB: Department permission required for enrolment.

INMS 2804 Indonesian Exchange

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

NB: Department permission required for enrolment.

INMS 3101 Indonesian Advanced 1

8 credit points. Dr Keith Foulcher. **Session:** Semester 1. **Classes:** 4 hrs/week. **Prerequisites:** INMS 1302 or INMS 2102 or department permission. **Assessment:** Subject to revision: Written assignments and essay in Indonesian (30%), written tests (30%), oral tests (15%), aural tests (15%), class participation (10%).

This unit aims to extend skills in speaking, listening, reading and writing, using material from a variety of modern and contemporary sources. Extensive use will be made of examples of twentieth century Indonesian literature and film.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3102 Indonesian Advanced 2

8 credit points. Dr Keith Foulcher. **Session:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS 3101. **Assessment:** Subject to revision: Written assignments and essay in Indonesian (30%), written tests (30%), aural tests (15%), oral tests (15%), class participation (10%).

This unit builds on the language acquisition activities covered in INMS 3101. The emphasis will be on major social and political issues in contemporary Indonesia., making use of a variety of written documents and audio-visual materials from contemporary Indonesia.

Textbooks

Materials are supplied and may be purchased by students from the Copy Centre.

INMS 3301 Indonesian Advanced 3

8 credit points. Dr Keith Foulcher. **Session:** Semester 1. **Classes:** 4 hrs/week. **Prerequisites:** INMS 2302 or department permission. **Assessment:** Subject to revision: assignments (30%), written tests (20%), aural tests (10%), oral tests (15%), essay in Indonesian (15%), class participation (10%).

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:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** INMS 3301. **Assessment:** Subject to revision: assignments (35%), written tests (20%), aural tests (10%), oral tests (15%), group project (10%), class participation (10%).

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:** Semester 2. **Classes:** 2 hrs/week. **Prerequisites:** Credit in INMS 2102 or INMS 2302. **Assessment:** (subject to revision) classwork (20%); two 1500 word critical reviews of class readings (30%); 2000 word research proposal (40%); presentation based on draft proposal (10%).

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

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:** Semester 1, Semester 2. **Classes:** 2 hrs language/week for the full year and 2 hrs seminar/week in semester 1. **Prerequisites:** INMS 3102 or INMS 3302 and INMS 3902, all at Credit level. **Assessment:** Assignments and Essays.

NB: Department permission required for enrolment.

Indonesian Honours Language

This unit is designed to develop advanced reading, writing and speaking skills in Indonesian. Students will be given an opportunity to relate part of their work in this unit to their thesis project.

Indonesia Research Seminar

This seminar will address contemporary approaches to the study of modern Indonesia, through an examination of significant recent publications in the fields of socio-political and cultural studies. Students will be given an opportunity to research particular areas of interest related to their thesis project.

Indonesian Honours Thesis

The thesis will be based on independent research under the supervision of a member of staff and will be evaluated according to the level of achievement in the following areas: (1) overall command of the secondary literature in English and Indonesian and demonstration of the ability to use this material to construct an original analysis of primary material in Indonesian; (2) command and analytic use made of a relevant corpus of primary Indonesian language material; (3) command of a particular disciplinary or interdisciplinary approach to the topic; (4) overall quality and originality of the essay.

INMS 4012 Indonesian and Malay Studies Honours B

12 credit points. Dr Keith Foulcher. **Session:** Semester 1, Semester 2. **Corequisites:** INMS4011.

INMS 4013 Indonesian and Malay Studies Honours C

12 credit points. Dr Keith Foulcher. **Session:** Semester 1, Semester 2. **Corequisites:** INMS4012.

INMS 4014 Indonesian and Malay Studies Honours D

12 credit points. Dr Keith Foulcher. **Session:** Semester 1, Semester 2. **Corequisites:** INMS4013.

International and Comparative Literary Studies**ICLS 2001 Comparative Literary Studies**

8 credit points. Dr Paolo Bartoloni. **Session:** Semester 2. **Classes:** 1 hour lecture and 2 hours tutorial per week. **Prerequisites:** 18 Junior credit points from any department in the Faculty of Arts from Table A of which 12 credit points are from one subject. **Assessment:** Class work, essay.

NB: Comparative Literature (see International Comparative Literary Studies)

This unit will explore the question "What is "Comparative Literature"?", by providing a historical and theoretical framework for the development of the discipline; examining contemporary debates about 'culture', 'identity' and 'voice' that have influenced the way we study literature looking at three different areas of comparative literary studies: translation, cross-national study (Europe), intercultural study within one national context (Australia).

Textbooks

Course Reader to be purchased from the Copy Centre

ICLS 2002 Major Themes in Modern Literatures

8 credit points. Dr Elizabeth Rechniewski. **Session:** Semester 1. **Classes:** 1 hour lecture and 2 hours tutorial per week. **Prerequisites:** 18 Junior credit points at Junior level from any department in the Faculty of Arts from Table A, of which 12 credit points are from one subject. **Assessment:** Class work, essay.

NB: Comparative Literature (see International Comparative Literary Studies)

How do we come to know who we are? Where do our ideas about other peoples and nations come from? This unit examines the role of literature in fostering images and representations, stereotypes and prejudices about our own and other peoples and cultures, through a comparative study of texts from a cluster of literatures, including French, German, and Chinese literatures.

Textbooks

Course Reader to be purchased from the Copy Centre

Italian Studies**ITLN 1101 Beginners' Italian 1**

6 credit points. Drs Bartoloni, Mauceri and Rubino. **Session:** Semester 1. **Classes:** 4 language tutorials and 1 lecture. **Assessment:** Class work, assignments, tests, exam.

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.

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) 6th 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. Dr Bartoloni, Dr Rubino. **Session:** Semester 2. **Classes:** 3 language tutorials, 1 reading seminar, 1 lecture. **Prerequisites:** ITLN 1101 or equivalent. **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) 6th edition Other texts available from Department Modern Italy (from Copy Centre) Recommended reference books De R me, Soluzioni! A Practical Guide to Italian Grammar (Arnold)

Duggan, A Concise History of Italy (Cambridge) Ginsborg, A History of Contemporary Italy: Society and Politics 1943-1988 (Penguin) [latest edition]

ITLN 1201 Intermediate Italian 1

6 credit points. Dr Bartoloni, Dr Rubino. **Session:** Semester 1. **Classes:** 3 language tutorials, 1 reading seminar and 1 lecture per week. **Prerequisites:** HSC 2UZ Italian or Italian Beginners or equivalent. **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

Coursepack available from Copy Centre

ITLN 1202 Intermediate Italian 2

6 credit points. Dr Bartoloni, Dr Rubino. **Session:** Semester 2. **Classes:** 3 language tutorials, 1 reading seminar, 1 lecture. **Prerequisites:** ITLN 1201 or equivalent. **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

Coursepack available from Copy Centre

ITLN 1301 Advanced Italian 1

6 credit points. Dr Mauceri, Dr Bartoloni. **Session:** Semester 1. **Classes:** 3 language tutorials, 1 reading seminar and 1 lecture. **Prerequisites:** HSC 2U or 3U Italian or Italian Continuers or Italian Extension or equivalent. **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

5. Arts units of study

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

Coursepack available from Copy Centre

ITLN 1302 **Advanced Italian 2**

6 credit points. Dr Rubino, Dr Bartoloni. **Session:** Semester 2. **Classes:** 3 language tutorials, 1 reading seminar and 1 lecture. **Prerequisites:** ITLN 1301 or equivalent. **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

Coursepack available from Copy Centre

ITLN 1401 **Advanced Italian 1 (Native Speakers)**

6 credit points. Dr Rubino. **Session:** Semester 1. **Classes:** 1 reading seminar, 1 lecture, and language tutorials as prescribed. **Prerequisites:** Native-speaker proficiency in Italian. **Assessment:** class work, assignments, tests, essay.

NB: Department permission required for enrolment. Department permission required for enrolment.

ITLN 1402 **Advanced Italian 2 (Native Speakers)**

6 credit points. Dr Rubino. **Session:** Semester 2. **Classes:** 1 reading seminar, 1 lecture, and language tutorials as prescribed. **Prerequisites:** ITLN 1401. **Assessment:** class work, assignments, tests, essay.

NB: Department permission required for enrolment.

Builds on ITLN 1401.

ITLN 2101 **Intermediate Italian Language 3**

4 credit points. Dott. Marmini. **Session:** Semester 1. **Classes:** 2 language tutorials and 1 oral/aural class per week. **Prerequisites:** ITLN 1102 or equivalent. **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:** Semester 1. **Classes:** 2 language tutorials and 1 oral/aural class per week. **Prerequisites:** ITLN 1202 or High Distinction in ITLN1102 or equivalent. **Assessment:** class work, assignments, tests, on-line tasks.

ITLN 2201 revises and consolidates complex structures of the language.

Textbooks

Coursepack available from the University Copy Centre

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

ITLN 2202 **Intermediate Italian Language 5**

4 credit points. Dott. Marmini. **Session:** Semester 2. **Classes:** 2 language tutorials and 1 oral/aural class per week. **Prerequisites:** ITLN 2101 or ITLN 2201. **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:** Semester 1. **Classes:** 2 tutorials per week. **Prerequisites:** ITLN 1302 or ITLN 1402 or equivalent. **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:** Semester 2. **Classes:** 2 tutorials per week. **Prerequisites:** ITLN 2301 or equivalent. **Assessment:** class work, assignments, online tasks, 2 class tests.

Builds on ITLN 2301.

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 2801 **Italian Exchange**

8 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment

ITLN 2802 **Italian Exchange**

8 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment

ITLN 2803 **Italian Exchange**

8 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment

ITLN 2806 **Italian Exchange**

4 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment

ITLN 2807 **Italian Exchange**

4 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment

ITLN 2808 **Italian Exchange**

4 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment

ITLN 2809 **Italian Exchange**

4 credit points. Dott. Zanardi. **Session:** Semester 1, Semester 2. *NB: Department permission required for enrolment.*

Department permission required for enrolment.

ITLN 2902 **Italian 2 Honours: Cultural History**

4 credit points. Professor Newbiggin. **Session:** Semester 2. **Classes:** One 2 hour seminar per week. **Prerequisites:** Credit result in one of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, essays.

NB: 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 be taken before ITLN 2901, which will be offered again in 2006 in a 6 credit point form. It 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:** Semester 1. **Classes:** 2 tutorials/wk. **Prerequisites:** ITLN 2202 or equivalent. **Assessment:** class work, assignments, on-line tasks, 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:** Semester 2. **Classes:** 2 tutorials per week. **Prerequisites:** ITLN 3201 or equivalent. **Assessment:** class work, assignments, tests, on-line tasks, 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. Dott. Zanardi. **Session:** Semester 1. **Classes:** 2 tutorials per week. **Prerequisites:** ITLN 2302 or equivalent. **Assessment:** class work, assignments, on-line tasks, 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. Dott. Zanardi. **Session:** Semester 2. **Classes:** 2 tutorials per week.

Prerequisites: ITLN 3301 or equivalent. **Assessment:** class work, assignments, on-line tasks, 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:** Semester 1. **Classes:** 2 hr/wk. **Prerequisites:**

ITLN3202 or ITLN3302 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:** Semester 2. **Classes:** 1 2-hour seminar per week.

Prerequisites: ITLN3202 or ITLN3302 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:** Semester 1. **Classes:** One 2-hour seminar per week. **AssumedKnowledge:** One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:** class work, assignments, essay.

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

An introduction to Dante's major works, concentrating on 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:** Semester 2. **Classes:** 1 2-hour seminar per week.

Prerequisites: ITLN 3701. **Assessment:** Class work, assignments, essay.

NB: 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 3715 Texts and Performance

4 credit points. Professor Newbiggin. **Session:** Semester 2. **Classes:** 1 2-hour seminar per week. **AssumedKnowledge:** 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:** Semester 1. **Classes:** 1 2-hour seminar per week.

AssumedKnowledge: One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:**

Classwork, assignments, essay.

NB: 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. This unit is conducted in Italian.

Textbooks

Coursepack from Copy Centre.

ITLN 3753 Italian Language Acquisition

4 credit points. Dott. Marmini, Dott. Zanardi. **Session:** Semester 1. **Classes:** 1 2-hour seminar.

AssumedKnowledge: One of ITLN 1302, ITLN 1402, ITLN 2202. **Assessment:** classwork, essay.

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

An exploration of recent studies in Italian language acquisition within the framework of current theories of second language acquisition. This unit is conducted in Italian.

ITLN 3754 Italian in Contact

4 credit points. Dr Rubino. **Session:** Semester 2. **Classes:** 1 2-hour seminar per week.

AssumedKnowledge: One of ITLN 1302, ITLN 1402, ITLN 2202 or equivalent. **Assessment:** class work, assignments, essay.

NB: 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. This unit is conducted in Italian.

Textbooks

Coursepack from Copy Centre.

ITLN 3758 Contemporary Italian Poetry

4 credit points. Dr Bartoloni. **Session:** Semester 1. **Classes:** 2 hrs/wk. **AssumedKnowledge:** One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, essay.

NB: 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 3759 Filming Fiction: The Italian Experience

4 credit points. Dr Bartoloni. **Session:** Semester 2. **Classes:** 1 lecture and 1 tutorial per week. **AssumedKnowledge:** One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. **Assessment:** class work, essay.

An examination of the relationship between Italian cinema and fiction. Do they speak a common language? Do they employ comparable techniques? Who copies whom? This unit investigates these and other questions by analysing the adaptation of selected contemporary Italian novels into film.

Textbooks

Buzzati, Il deserto dei Tartari (Mondadori)

Moravia, Il conformista (Bompiani)

ITLN 3763 Youth in Contemporary Italian Literature

4 credit points. Dr Mauceri. **Session:** Semester 1. **Classes:** One 2-hour seminar per week. **AssumedKnowledge:** ITLN1202, ITLN1302, ITLN1402 or ITLN2202. **Assessment:** 3000 word take-home essay (45%), 1000 word class work essay (25%), classwork discussion and presentation (25%).

NB: 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, considering 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. Readings will be complemented by film adaptations where 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. Dr Rubino, Professor Newbiggin. **Session:** Semester 1, Semester 2. **Prerequisites:** 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.

NB: Department permission required for enrolment.

The Italian IV Honours program consists of up to six semester-length units of study, chosen in consultation with the coordinators, and an extended essay. The extended essay, normally 10,000-12,000 words in length, is on a topic chosen in consultation with the coordinators and a designated supervisor. Students meet regularly with their designated supervisor.

Italian IV students are required to attend the Department Research Seminar and to present a seminar paper on their extended essay topic.

ITLN 4012 Italian Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ITLN4011.

Refer to ITLN 4011

ITLN 4013 Italian Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ITLN4012.

Refer to ITLN 4011

ITLN 4014 Italian Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ITLN4013.

Refer to ITLN 4011

Japanese Studies

JPNS 1111 Introductory Japanese 1

6 credit points. **Session:** Summer, Winter, Semester 1. **Classes:** 4 hr/wk. **Assessment:** Continuous class assessment and semester exam.

5. Arts units of study

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:** Semester 1. **Classes:** 4 hr/wk. **Prerequisites:** Japanese Extension or Japanese Continuers 70% or above (or equivalent determined by the department). **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 400 kanji and recognise about 600 kanji.

JPNS 1114 Introductory Japanese 3

6 credit points. **Session:** Semester 1. **Classes:** 4 hr/wk. **Prerequisites:** 65% or more in HSC Japanese Beginners or less than 70% in HSC Japanese Continuers. **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. Students will be able to write approximately 200 kanji and to recognise about 300 kanji.

JPNS 1121 Introductory Japanese 2

6 credit points. **Session:** Semester 2. **Classes:** 4 hr/wk. **Prerequisites:** JPNS 1111. **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 at least 200 kanji characters in context.

JPNS 1123 Introductory Japanese 6

6 credit points. **Session:** Semester 2. **Classes:** 4 hr/wk. **Prerequisites:** JPNS1113. **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 500 kanji and recognise about 850 kanji.

JPNS 1124 Introductory Japanese 4

6 credit points. **Session:** Semester 2. **Classes:** 4 hr/wk. **Prerequisites:** JPNS 1114. **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.

They will be able to write approximately 300 kanji and to recognize about 400 kanji.

JPNS 1801 Japanese Exchange

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

JPNS 2212 Intermediate Japanese 1

8 credit points. **Session:** Semester 1. **Classes:** 4 hr/wk. **Prerequisites:** JPNS1121. **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. They will be able to write approximately 200 kanji and to recognize about 300 kanji.

JPNS 2213 Intermediate Japanese 3

8 credit points. **Session:** Semester 1. **Prerequisites:** JPNS1124 or JPNS2222. **Assessment:** Continuous assessment, including class quizzes, tests and written assignments, 2 hour semester 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 400 kanji and recognise at least 600 kanji. Writing and reading practice will consolidate grammatical, lexical and cultural knowledge.

JPNS 2222 Intermediate Japanese 2

8 credit points. **Session:** Semester 2. **Classes:** 4 hr/wk. **Prerequisites:** JPNS2212. **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. They will be able to write about 300 kanji and to recognize about 400 kanji.

JPNS 2223 Intermediate Japanese 4

8 credit points. **Session:** Semester 2. **Prerequisites:** JPNS2213. **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 850 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:** Semester 1. **Classes:** 2 hr/wk. **Prerequisites:** JPNS1123 or JPNS2223. **Assessment:** Continuous assessment, class quizzes and tests, oral presentations 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. By the end of the semester, students will be able to write about 600 kanji and to recognize about 1100 kanji.

Textbooks

To be advised in class

JPNS 2302 Japanese Communication Intermediate 6

4 credit points. **Session:** Semester 2. **Classes:** 2 hr/wk. **Prerequisites:** JPNS 2301. **Assessment:** Continuous assessment, class quizzes and tests, oral presentations and semester exam.

Classes will involve a range of learning strategies to consolidate and extend students' upper intermediate communication skills. These will include discussion, debates, interviews, short surveys, composition and short translation exercises. By the end of the semester, students will be able to write about 700 kanji and to recognize about 1350 kanji.

Textbooks

To be advised in class

JPNS 2308 Readings in Japanese Linguistics

8 credit points. Ms Iwashita. **Session:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** JPNS 2301. **Assessment:** Continuous class assessment, class presentation, 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 2316 Power in Japanese Politics and Society

8 credit points. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial per week. **Prerequisites:** JPNS1123 or JPNS1125 or JPNS2223. **Assessment:** Tutorial discussions, presentations and writing tasks equivalent to 1500 words, 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 2326 Japanese Literary Tradition

8 credit points. **Session:** Semester 1. **Classes:** 3 hrs/week. **Prerequisites:** JPNS1123 or JPNS1125 or JPNS2223. **Assessment:** Continuous class assessment, essay and semester exam.

In this unit students read and discuss selected Japanese works which deal with the Japanese literary/cultural tradition. Some preparatory research will be essential for each class.

JPNS 2381 In-Country Study - Japan 1

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

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

NB: Department permission required for enrolment.

Approved Course in a tertiary level institution in Japan.

JPNS 2801 Japanese Exchange

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

NB: Department permission required for enrolment.

JPNS 2802 Japanese Exchange

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

NB: Department permission required for enrolment.

JPNS 2803 Japanese Exchange

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

NB: Department permission required for enrolment.

JPNS 2807 Japanese Exchange

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

NB: Department permission required for enrolment.

JPNS 2808 Japanese Exchange

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

NB: Department permission required for enrolment.

JPNS 2901 Japanese Special Entry 1

4 credit points. **Session:** Semester 1. **Classes:** Seminar 2 hr/wk. **Prerequisites:** Credit results in 12 Junior JPNS units of study. **Corequisites:** JPNS 2212 or JPNS 2213 or JPNS 2301. **Assessment:** Continuous assessment, 2000 word essay and oral presentation. *NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

This unit aims to introduce students to some fundamental concepts in one of the following areas of Japanese studies: linguistics, history and contemporary society, or literature. Students will have 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:** Semester 2. **Classes:** Seminar 2 hr/wk. **Prerequisites:** JPNS 2901. **Corequisites:** JPNS 2222 or JPNS 2223 or JPNS 2302 or JPNS 2502.. **Assessment:** Continuous assessment, 2000 word essay and oral presentation.

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

This unit aims to introduce students to some fundamental concepts in one of the following areas of Japanese studies: linguistics, history and contemporary society, or literature. Students will have 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:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 3 hr/week. **Prerequisites:** JPNS1124 or JPNS2222. **Assessment:** Essay and semester exam.

Selected works from contemporary literature will be studied in class. Students will learn the characteristics of literary genres and be able to appreciate their relevance to present times. Students are encouraged to read the texts and associated material in English if available.

Textbooks

To be advised in class.

JPNS 3301 Japanese Communication Advanced 1

4 credit points. **Session:** Semester 1. **Classes:** 2 hr/wk. **Prerequisites:** 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 about 800 kanji and recognise about 1600 kanji.

Textbooks

To be advised in class.

JPNS 3302 Japanese Communication Advanced 2

4 credit points. **Session:** Semester 2. **Classes:** 2 hr/wk. **Prerequisites:** 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 about 900 kanji and recognise about 1850 kanji.

Textbooks

To be advised in class.

JPNS 3314 Readings in Japanese Society

8 credit points. Dr Shao. **Session:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** JPNS 2302 or JPNS2502. **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:** Semester 1. **Classes:** Seminar 2 hr/wk. **Prerequisites:** Credit results in JPNS2901 and JPNS2902. **Corequisites:** JPNS 2213 or JPNS 2301 or JPNS 3301.. **Assessment:** Continuous assessment, 2000 word essay and oral presentation. *NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

This unit aims to introduce students to 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:** Semester 2. **Classes:** Seminar 2 hr/wk. **Prerequisites:** JPNS 3901. **Corequisites:** JPNS 2223 or JPNS 2302 or JPNS 3302.. **Assessment:** Continuous assessment, 1000 word critical review, oral presentation, 2000 word research proposal. *NB: 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:** Semester 1, Semester 2. **Prerequisites:** Credit result in JPNS 3901 and JPNS 3902. **Assessment:** Written assignment and / or exam.

NB: Department permission required for enrolment.

Coursework in one of the following areas: Japanese linguistics, thought, history, or literature.

JPNS 4012 Japanese Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** JPNS4011. **Assessment:** Written assignment and / or exam.

Coursework in one of the following areas: Japanese linguistics, thought, history, or literature.

5. Arts units of study

JPNS 4013 Japanese Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** JPNS4012. **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:** Semester 1, Semester 2. **Corequisites:** JPNS4013. **Assessment:** Thesis (15,000-20,000 words).

Students will be required to write a 15,000-20,000 word thesis on an approved Japanese topic.

Jewish Civilisation, Thought and Culture

JCTC 1001 Palestine: Roman Rule to Islam

6 credit points. A/Prof Rutland. **Session:** Semester 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 2005.

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. A/Prof. Rutland. **Session:** Semester 2. **Classes:** One 2 hour lecture, one 2-hr tutorial per week. **Prerequisites:** 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:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

JCTC 2003 Jews Under the Crescent and the Cross

8 credit points. A/Prof Rutland. **Session:** Semester 1. **Classes:** 2 hours of lectures, 1 tutorial per week. **Prerequisites:** 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%.

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

The story of Jews living under the Crescent, Muslim rule, and the Cross, Christian rule, comprises a vibrant period of Jewish history. 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 anti-semitism, 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:** Semester 2. **Classes:** 2 hours of lectures, 1 tutorial per week. **Prerequisites:** 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%.

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

One of the most traumatic events in Jewish history was the expulsion of the Jews from Spain in 1492. Explore the reasons behind the ex-

pulsion 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:** Semester 1. **Classes:** 2 hours of lectures, 1 hour option and 1 tutorial per week. (Total 4 hrs/week). **Prerequisites:** 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%.

NB: 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. Prof. Kwiet, Dr Moses. **Session:** Semester 2. **Classes:** 2 hours lectures, 1 tutorial per week. **Prerequisites:** JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY1031, HSTY 1043, HSTY 1044, HSTY 1045. **Assessment:** One 3 hour exam 40%, one essay 30%, tutorial paper 20%, class participation 10%.

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

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:** Semester 1. **Classes:** 2 hours of lectures, 1 tutorial per week. **Prerequisites:** JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY1031, 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 the debate over the issue of post-Zionism.

JCTC 2801 Jewish Civilization Exchange

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

NB: Department permission required for enrolment.

JCTC 2802 Jewish Civilization Exchange

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

NB: Department permission required for enrolment.

JCTC 2803 Jewish Civilization Exchange

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

JCTC 2804 Jewish Civilization Exchange

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

JCTC 2807 Jewish Civilization Exchange

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

JCTC 2808 Jewish Civilization Exchange

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

JCTC 4011 Judaic Studies Honours A

12 credit points. A/Prof Rutland. **Session:** Semester 1, Semester 2. **Classes:** Two 2 hour sessions per week semester 1, one 2 hour session per week semester 2. **Assessment:** Assignment work for each course +15,000 word thesis.
NB: Department permission required for enrolment.

In addition to the compulsory core unit of study, Jewish Civilisation: Methodology and Tools, students will choose two IV Honours options, each of which will involve two hours a week of classes per semester. The options are: Classical Period: 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, The German Jewish experience and Holocaust Research: Trends and Problems. Students can choose to specialise in either the Classical or Modern period, in which case they must do a minimum of two options in their 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:** Semester 1, Semester 2. **Corequisites:** JCTC4011.
Refer to JCTC 4011.

JCTC 4013 Judaic Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** JCTC4012.
Refer to JCTC 4011.

JCTC 4014 Judaic Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** JCTC4013.
Refer to JCTC 4011.

Korean**KRNS 1101 Korean Introductory Level 1**

6 credit points. Dr Park. **Session:** Semester 1. **Classes:** 4hr/wk. **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. 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 Park. **Session:** Semester 2. **Classes:** 4hr/wk. **Prerequisites:** KRNS 1101. **Assessment:** Continuous class assessment, semester exam.
Refer to KRNS 1101

KRNS 1301 Korean Introductory Level 5

6 credit points. Dr Park. **Session:** Semester 1. **Classes:** 2hr/wk. **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.

KRNS 1302 Korean Introductory Level 6

6 credit points. Dr Park. **Session:** Semester 2. **Classes:** 2hr/wk. **Prerequisites:** KRNS 1301. **Assessment:** Continuous class assessment, semester exam.
Refer to KRNS 1301.

KRNS 1801 Korean Exchange

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

KRNS 2001 Intermediate Korean Level 1

8 credit points. Dr Kwak. **Session:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** KRNS1102. **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 intensive 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:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** KRNS2001 or KRNS2111. **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 KRNS2001 Korean Intermediate 1. It is designed to extend the students' command of the Korean language at a level higher than they already completed.

KRNS 2381 In-Country Study - Korea 1

8 credit points. Dr Park. **Session:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** KRNS 1102 or KRNS 1302.

NB: 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:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** KRNS 2102 or KRNS 2312 or KRNS 2381.

NB: 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 Park. **Session:** Semester 1. **Prerequisites:** KRNS1302. **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 wide range of fields.

KRNS 2515 Issues in Korean Language

8 credit points. Dr Park. **Session:** Semester 2. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisites:** 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 2601 Traditional Korean History

8 credit points. Dr Mohan. **Session:** Semester 1. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisites:** 12 Junior credit points of KRNS. **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:** Semester 2. **Classes:** 3hr/wk (2hr lec & 1hr seminar). **Prerequisites:** 12 Junior credit points of KRNS. **Assessment:** One 3000 word essay, one 1500 word tutorial paper and final exam.

5. Arts units of study

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 2801 Korean Exchange

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

KRNS 2802 Korean Exchange

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

KRNS 2803 Korean Exchange

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

KRNS 2807 Korean Exchange

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

KRNS 2808 Korean Exchange

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

KRNS 2900 Topics in Korean Studies

4 credit points. **Session:** Semester 2. **Classes:** 2hr/wk. **Prerequisites:** Credits in all the first year and the second year first semester KRNS units. **Corequisites:** KRNS 2112 or KRNS 2312. **Assessment:** Continuous class assessment, 3000 word 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:** Semester 1. **Classes:** 3hr/wk. **Prerequisites:** KRNS2002 or KRNS2112. **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:** Semester 2. **Classes:** 3hr/wk. **Prerequisites:** KRNS3001 or KRNS3111. **Assessment:** Continuous class assessment, two oral tests and one final written exam. This unit of study follows on from KRNS3001 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:** Semester 1. **Classes:** 2hr/wk. **Prerequisites:** Credits in the second year KRNS units including KRNS 2900. **Corequisites:** KRNS 3111 or KRNS 3311. **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 arisen from the work of each student will be discussed.

KRNS 3902 Preparation for Honours Thesis 2

4 credit points. **Session:** Semester 2. **Classes:** 2hr/wk. **Prerequisites:** Credits in all KRNS units taken by the first semester of the third year including KRNS 3901. **Corequisites:** KRNS 3112 or KRNS 3312. **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:** Semester 1, Semester 2. **Classes:** 2hr/wk seminar. **Prerequisites:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Assessment:** Will be based on seminar coursework. *NB: Department permission required for enrolment.* Honours IV students are required to complete all four components KRNS 4011, KRNS 4012, KRNS 4013, and KRNS 4014. These components comprise coursework from a pool of postgraduate

coursework offerings of the following areas plus a 15000-20000 word thesis on an approved topic:

1. Korean language and linguistics: Centred around reading material on Korean language and linguistics. The major topics include Korean phonology, morphology, syntax, sociolinguistics, and language teaching and learning.
2. Korean history and thought: Focused on conceptual and methodological issues in Korean history, religions, thought, or value systems, examining both Korean and Western literatures in the field(s).
3. Korean media and communication: Cultural, social and political aspects of mass media and communication in Korea. The major topics include media/communication industry, production, content and media/communication policy in Korea.

KRNS 4012 Korean Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisites:** KRNS4011. **Assessment:** Will be based on seminar coursework. Refer to KRNS 4011.

KRNS 4013 Korean Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. **Corequisites:** KRNS4012. **Assessment:** will be based on seminar coursework. Refer to KRNS 4011

KRNS 4014 Korean Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Credits in all senior KRNS units including KRNS3901 and KRNS3902. **Corequisites:** KRNS4013. **Assessment:** 15,000 - 20,000w thesis. Students will be required to write a 15,000-20,000 word thesis on an approved topic in Korean studies.

Latin

LATN 1001 Latin 1.1

6 credit points. Dr P Watson. **Session:** Semester 1. **Classes:** four lectures and one 1 hour tut/wk. **Assessment:** one 2 hour exam, and assignments and tests (equivalent to 2,000 words).

Latin 1001 requires no previous knowledge of Latin. Normally students who have completed the HSC (or equivalent) in Latin are not admitted. The aim of Latin 1001 is to provide students with a 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: Latin1001-1002 students who are thinking of taking Honours in Latin should consult the Department during the year.

Textbooks

Text: Latin Discamus available for purchase at the first lecture. A small or medium-sized Latin dictionary is recommended too (see under Latin Language Study).

LATN 1002 Latin 1.2

6 credit points. Dr L Watson. **Session:** Semester 2. **Classes:** four lectures and one 1 hour tut/wk. **Prerequisites:** LATIN 1001. **Assessment:** one 3 hour exam, and assignments and tests (equivalent to 2,000 words).

Latin 1002 takes further the basic grounding of Latin 1001. It caters for a wide variety of students, ranging from those who intend subsequently to proceed with Latin, to those who wish to have a background to their studies in other subjects in which a knowledge of Latin is valuable or indispensable -- for example ancient history, classical archaeology, English, modern foreign languages, 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

Text: Latin Discamus Part 2; available at first class. A small or medium-sized Latin dictionary is recommended too (see under Language Study).

LATN 1101 Advanced Latin 1.1

6 credit points. Associate Professor B.D. Hoyos. **Session:** Semester 1. **Classes:** 4 classes/wk. **Prerequisites:** HSC Latin Continuers. **Assessment:** one 2 hour exam, one 1,500 word essay, exercises, assignments and tests (equivalent to 1,000 words).

Works for detailed study (2 lec/wk): Works by two important Latin authors will be studied. Lecturers will deal with aspects of the author's style and language, with the literary and historical background, and with structural problems raised by the work as well as with problems of text and translation. There will also be an evaluation of the author's specific aims, his success in achieving these, and the literary quality of his work.

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. Dr P Watson. **Session:** Semester 2. **Classes:** 4 classes/wk. **Prerequisites:** LATN 1101. **Assessment:** one 2 hour exam, one 1,500 word essay, and exercises, assignments and tests (equivalent to 1,000 words).

Works for detailed study (2 lectures/wk): Works by two important Latin authors will be studied. Lectures will deal with aspects of the author's style and language, with the literary and historical background, and with structural problems raised by the work as well as with problems of text and translation. There will also be an evaluation of the author's specific aims, his success in achieving these, and the literary quality of his work.

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 1801 Latin Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 1802 Latin Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2003 Latin 2.1

8 credit points. Dr P Watson. **Session:** Semester 1. **Classes:** 4 classes/wk. **Prerequisites:** LATN1002 or LATN 2312. **Assessment:** one 1 hour and one 2 hour exam, one 1,500 word essay, and exercises (equivalent to 1,500 words).

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. Dr L Watson. **Session:** Semester 2. **Classes:** 4 classes/wk. **Prerequisites:** LATN 2003. **Assessment:** one 1 hour and one 2 hour exam, one 1,500 word essay, and exercises (equivalent to 1,500 words).

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. Associate Professor D Hoyos. **Session:** Semester 1. **Classes:** 4 classes/wk. **Prerequisites:** LATN 1102. **Assessment:** one 2 hr exam, one take-home exam (equivalent to 1,000 words), one 1,500 word essay, and exercises (equivalent to 1,000 words).

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. Dr L Watson. **Session:** Semester 2. **Classes:** 4 classes/wk. **Prerequisites:** LATN 2103. **Assessment:** one 2 hr exam, one take-home exam (equivalent to 1,000 words), one 1,500 word essay, and exercises (equivalent to 1,000 words).

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 L Watson. **Session:** Semester 1. **Classes:** 3 classes/wk. **Prerequisites:** 18 junior credit points including 12 credit points in Archaeology, Classical Civilisation, Classical Greek, Ancient History or Philosophy. **Corequisites:** 8 senior credit points in Archaeology, Classical Civilisation, Classical Greek, Ancient History or Philosophy. **Assessment:** weekly assignments/tests (equivalent to 1,500 words) and one 1.5 hour exam.

This unit of study is an abbreviated version of Latin 1001.

LATN 2302 Accelerated Latin 2.2

4 credit points. Dr L Watson. **Session:** Semester 2. **Classes:** 3 classes/wk. **Prerequisites:** LATN 2301. **Assessment:** classwork (equivalent to 1,500 words) and one 2 hour exam.

This unit of study is an abbreviated version of LATN1002 and provides a reading knowledge of Latin prose.

LATN 2312 Accelerated Latin 2 Additional

4 credit points. Dr L Watson. **Session:** Semester 2. **Classes:** 1 lec/wk & 1 tut. **Prerequisites:** LATN 2301. **Corequisites:** LATN 2302. **Assessment:** assignments (equivalent to 1,500 words), and one 1 hour exam.

This unit of study functions as a bridging course between LATN2302 and LATN2003, 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:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2802 Latin Exchange

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

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2803 Latin Exchange

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

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2807 Latin Exchange

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

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2808 Latin Exchange

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

NB: Department permission required for enrolment.

Department permission required for enrolment.

LATN 2901 Special Latin 2.1

4 credit points. Ms F Muecke. **Session:** Semester 1. **Classes:** 2 classes/wk. **Prerequisites:** LATN 1002 (credit) or LATN 2302 (credit). **Corequisites:** LATN 2003. **Assessment:** one 2 hour exam and one 1,500 word essay.

NB: 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 LATN1101 (see that entry).

LATN 2902 Special Latin 2.2

4 credit points. Ms F Muecke. **Session:** Semester 2. **Classes:** 2 classes/wk. **Prerequisites:** LATN 2901. **Corequisites:** LATN 2004. **Assessment:** one 2 hour exam and one 1,500 word essay.

NB: 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 LATN1102 (see that entry).

LATN 2911 Special Advanced Latin 2.1

4 credit points. Associate Professor D Hoyos. **Session:** Semester 1. **Classes:** 2 classes/wk. **Prerequisites:** LATN 1102 (credit). **Corequisites:** LATN 2103. **Assessment:** one 2 hour exam or equivalent and one 2,000 word seminar paper.

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

One Literature or Special Topic will be studied. The topic will be posted on the Latin Notice Board.

5. Arts units of study

LATN 2912 Special Advanced Latin 2.2

4 credit points. Ms F Muecke. **Session:** Semester 2. **Classes:** 2 classes/wk. **Prerequisites:** LATN 2911. **Corequisites:** LATN 2104. **Assessment:** one 2 hour exam or equivalent and one 2,000 word seminar paper.

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

One Literature or Special Topic will be studied. The topic will be posted on the Latin Notice Board.

LATN 3005 Latin 3.1

8 credit points. Dr P Watson. **Session:** Semester 1. **Classes:** 4 classes/wk. **Prerequisites:** LATN 2004 or LATN 2104. **Assessment:** one 2 hour exam, one take-home exam (equivalent to 1,000 words), one 1,500 word essay, exercises (equivalent to 1,000 words).

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. Dr L Watson. **Session:** Semester 2. **Classes:** 4 classes/wk. **Prerequisites:** LATN 3005. **Assessment:** one 2 hour exam, one take-home exam (equivalent to 1,000 words), one 1,500 word essay, exercises (equivalent to 1,000 words).

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:** Semester 1. **Classes:** 2 classes/wk. **Prerequisites:** LATN 2902 or LATN 2912 (credits). **Corequisites:** LATN 3005. **Assessment:** one 2 hour exam (or equivalent) and one 2,000 word seminar paper.

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

One Literature or Special Topic will be studied. The topic will be 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:** Semester 2. **Classes:** 2 classes/wk. **Prerequisites:** LATN 3903. **Corequisites:** LATN 3006. **Assessment:** one 2 hour exam (or equivalent) and one 2,000 word seminar paper.

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

One Literature or Special Topic will be studied. The topic will be posted on the Latin Notice Board.

LATN 4011 Latin Honours A

12 credit points. Ms F Muecke. **Session:** Semester 1, Semester 2. **Classes:** 4-5 classes/wk. **Prerequisites:** LATN 3006 and LATN 3904 (Credit). **Assessment:** six 2 hour exams (or equivalent), one 3 hr exam, four seminar papers, and classwork.

NB: Department permission required for enrolment.

Literary study (normally 2 hrs/wk): a subject in each semester. For topics please see Latin notice board.

Special subject (normally 2hrs/wk): a subject in each semester. For topics please see Latin notice board.

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. **Session:** Semester 1, Semester 2. **Corequisites:** LATN4011. Refer to LATN 4011

LATN 4013 Latin Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** LATN4012. Refer to LATN 4011

LATN 4014 Latin Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** LATN4013. Refer to LATN 4011

Legal Studies

LAWS 1100 Introduction to Civil Liability

6 credit points. Mr. Ross Anderson. **Session:** Semester 2. **Classes:** Three 1 hr Lectures per week. **Prerequisites:** SLSS 1001 Introduction to Socio-Legal Studies. **Assessment:** Problem based assignment 2000 words (25%), Examination (75%).

NB: Department permission required for enrolment. This is a new six credit point unit of study within the Faculty of Law to be offered for the first time in semester two 2005 for students enrolled in the first year of the Bachelor of Arts and Sciences (BAS) degree.

The concept of civil liability, being the concept of personal responsibility to make reparation for harm caused to the legally protected interests of another person, is the central concept of the common law. The history of civil liability from medieval times to the present day is the history of the common law. As tort law, or the law of civil wrongs, is the principal source of civil liability in modern Australian law, this unit of study is an introduction to the historical development and present day bases of civil liability through the medium of tort law.

The unit of study will address the following topics: (1) The scope of civil liability in modern Australian law, with particular regard to concurrent liability in tort and contract and concurrent liability in tort and crime; (2) Historical background, including the development of the medieval forms of action trespass vi et armis and the action on the case; (3) Trespass to the person, including the torts of battery, assault and false imprisonment and defences; (4) The action on the case for wilful injury; (5) Interference with land, including trespass and private nuisance; (6) Interference with goods, including trespass and conversion; (7) Negligence as an independent basis of civil liability, including the concept of a duty of care, the standard of care and causation and remoteness of damage; (8) Case studies in negligence liability, with particular reference to psychiatric injury, pre-natal injury and pure economic loss; (9) Fatal accidents; (10) Vicarious liability; (11) Transborder civil liability, including choice of the applicable law; and (12) Civil liability of air carriers.

Textbooks

Casebook: J Swanton, B McDonald, R Anderson and S Yeo, Cases on Torts, 3rd edn, Federation Press, 2002. A supplement to this book is available on the Federation Press website www.federationpress.com.au Textbook: R P Balkin and J L R Davis, Law of Torts, 3rd edn, Butterworths, 2004

SLSS 1001 Introduction to Socio-Legal Studies

6 credit points. A/Prof. Robert van Krieken. **Session:** Semester 1. **Classes:** one 2 hr Lecture and one 1 hr Tut. **Assessment:** Class participation 10%, one 1500 word take-home exam 40%, one 3000 word essay.

NB: Available to BAS students only

This unit provides students with an introduction to the understanding of legal ideas, institutions and practices in their social and historical contexts. It will provide an historical overview of legal institutions and forms of law in Australia, the place of the idea of the rule of law in state-formation, liberalism, processes of civilization and colonialism, law and the public/private distinction, changing conceptions of human rights, as well as outlining the central features of the various fields of law.

Textbooks

Course pack will be available through Copy Centre

SLSS 1002 Law as Language, Culture and Performance

6 credit points. A/Prof. Robert van Krieken. **Session:** Semester 2. **Classes:** one 2 hr Lecture and one 1 hr Tut. **Assessment:** Class participation 10%, one 1500 word take-home exam 40%, one 3000 word essay 50%.

NB: Available to BAS students only

This unit introduces students to the key elements of the cultural analysis of legal discourse and practice. It will discuss the concept of legal culture as well as the study of law as literature and storytelling, the analysis of the performative dimensions of legal practice, the relationship between law and the media, the legal construction of race and difference, especially in colonial and settler-colonial settings, as well as the comparative analysis of legal institutions in differing social and cultural contexts.

Textbooks

Course pack will be available through Copy Centre

Linguistics

LNGS 1001 Structure of Language

6 credit points. Prof William Foley. **Session:** Semester 1. **Classes:** (three 1hr lectures & one 1hr tutorial)/wk. **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 segment-

ation of reality; the meanings of meaning. Reference and sense. Speech acts and pragmatics.

LNGS 1002 Language and Social Context

6 credit points. Dr I. Piller. **Session:** Semester 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:** Semester 1. **Classes:** two 1 hr lectures with 1 hr seminar & one optional 1 hr tutorial per week. **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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

LNGS 2001 Phonetics and Phonology

8 credit points. Dr T Borowsky. **Session:** Semester 1. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prerequisites:** One of LNGS1001, LNGS1004, LNGS1005 and one of LNGS1002, LNGS1003. **Assessment:** Fortnightly problem sets, mid-term and final exams.

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

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 telephone 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. Prof William Foley. **Session:** Semester 2. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prerequisites:** One of LNGS1001, LNGS1004, LNGS1005 and one of LNGS1002, LNGS1003. **Assessment:** Written assignments and one 3hr exam.

NB: 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:** Semester 1. **Classes:** (three 1 hr lectures & one 1 hr tutorial)/wk. **Prerequisites:** One of LNGS1002, ENGL1050, MECO1001, LNGS1001, LNGS1003, LNGS1004, LNGS1005. **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. Dr I. Mushin. **Session:** Semester 2. **Classes:** (three 1 hr lectures and one 1 hr tutorial)/wk. **Prerequisites:** Two of LNGS1002, ENGL 1050, MECO1001, LNGS1001, LNGS1003, LNGS1004, LNGS1005, LNGS2003. **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 2025 Australia's Indigenous Languages

8 credit points. Dr Michael Walsh. **Session:** Semester 2. **Classes:** (one 2 hr lecture & one 1 hr tutorial)/wk. **Prerequisites:** One of LNGS 1001, LNGS1004, LNGS1005 and one of LNGS 1002 or LNGS 1003. **Assessment:** Essay, other written assignments.

This unit of study aims to give an overview of the languages of indigenous Australians. Of the 250 distinct Aboriginal languages spoken in 1788, most are dead or dying and just 20 languages are expected to survive another few generations. This unit of study will challenge this grim and oft-quoted statistic. We will see that new Aboriginal languages have emerged, apparently moribund languages have been gaining strength and distinctive Aboriginal ways of talking have survived. We consider why some languages have prospered while others have declined. We explore how Australian languages have responded to the challenges of non-Aboriginal settlement, in such arenas as education, land rights and health.

LNGS 2027 Computer Applications in Linguistics

8 credit points. Dr M Walsh. **Session:** Semester 1. **Classes:** (one 2 hr lectures & one 1 hr tutorial)/wk. **Prerequisites:** LNGS1001 or LNGS1005 and one of LNGS1002, LNGS1003. **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

5. Arts units of study

and semantics) will rely on some basic knowledge of the use of computers, as can be gained from this unit.

LNGS 2028 Language Acquisition

8 credit points. Dr T Borowsky. **Session:** Semester 2. **Classes:** (one 2 hr lecture and one 1 hr tutorial)/wk. **Prerequisites:** Two of LNGS1001, LNGS1002, LNGS1003, LNGS1004 LNGS1005. **Assessment:** Research paper, other written assignments. Around the age of two when a child knows virtually nothing at all about complex systems s/he begins to acquire and use one of the most complex of all systems: language. This is done without any formal instruction or even in many cases with any real attention being paid to it. This is a remarkable feat as anyone who has tried to learn another language can attest. How the child does this is the subject matter of this course. We will consider what it is about the human child that makes language learning possible and why dogs or chimpanzees for example do not learn language. What is the role of the child's caretaker? Do parents actually teach their children or not? Why do children babble? How do they learn not to say ungrammatical things when no one ever says them or even tells them they are impossible? When do they learn different aspects of the grammar? How do they know that you can say 'I gave the book to Mary' and 'I gave Mary the book' and 'I opened the book for Mary' but not 'I opened Mary the door'? We will look at many experimental studies illustrating the child's knowledge of complex aspects of grammar. Topics covered: innateness; maturation; topics in the acquisition of phonology, morphology, syntax and semantics. Each student will have first hand experience in studying the emergence of language.

LNGS 2801 Linguistics Exchange

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

LNGS 2802 Linguistics Exchange

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

LNGS 2803 Linguistics Exchange

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

LNGS 2807 Linguistics Exchange

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

LNGS 2808 Linguistics Exchange

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

LNGS 3026 Semantics and Pragmatics

8 credit points. Dr M Walsh. **Session:** Semester 1. **Classes:** 2 hours seminar/wk plus one 1hr tutorial. **Prerequisites:** One of LNGS 2001, LNGS 2002, LNGS 2003, LNGS 2004. **Assessment:** Essay; other written assignments.
NB: Compulsory for Honours students; other students may select as an option. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

Semantics 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. TBA. **Session:** Semester 1. **Classes:** (one 2 hr lectures & one 1 hr tutorial)/wk. **Prerequisites:** 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 3923 Cross-Cultural Communication

8 credit points. TBA. **Session:** Semester 2. **Classes:** Two seminars/week. **Prerequisites:** Credit average in 24 Senior credit points of Linguistics, or of a foreign language. **Assessment:** Essay, other written assignments. A survey of explanations for interactional style differences among different cultures (information structure, speech act theory, ethnography of communication, politeness), and a survey of some culturally differing linguistic features (silence, turn-taking, politeness, speech acts), through case studies and critiques.

LNGS 3925 Field Methods

8 credit points. Dr M Walsh. **Session:** Semester 1. **Classes:** 2 seminars per week and half hour consultation. **Prerequisites:** Credit average in 24 Senior credit points of Linguistics including two of the following units: LNGS2001, LNGS2002, LNGS2003 and LNGS2004. **Assessment:** An essay and other written assignment.
NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Techniques for eliciting, recording and analysing linguistic data collected from a speaker of a previously undescribed language. Formal elicitation of individual words and simple phrases. Analysis of the phonology and basic morphology of the language. Text collection. Individual focus on some aspect of the phonological, lexicogrammatical or semantic system of the language.

LNGS 3933 Translation

8 credit points. Dr J. Gibbons. **Session:** Semester 2. **Classes:** (one 2 hr lecture and one 1 hr tutorial)/wk. **Prerequisites:** 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.

LNGS 3940 Linguistics Research Issues

8 credit points. Dr T. Borowsky. **Session:** Semester 1, Semester 2. **Classes:** by arrangement. **Prerequisites:** 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.
NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. This seminar aims to prepare students for research in linguistics through critical reading and discussion of current issues and approaches in research and criticism, focussing on a particular subfield of linguistics.

LNGS 4011 Linguistics Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 48 Senior Credits of Linguistics, including LNGS3026 and 3 of LNGS2001, LNGS2002, LNGS2003, LNGS2004. **Assessment:** Consult Department for details.
NB: Department permission required for enrolment.

LNGS 4012 Linguistics Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** LNGS4011.

LNGS 4013 Linguistics Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** LNGS4012.

LNGS 4014 Linguistics Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** LNGS4013.

Media and Communications

MECO 1001 Australian Media Studies

6 credit points. Mr. Brennan. **Session:** Semester 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

Alan McKee, Textual Analysis: A Beginner's Guide, SAGE London, 2003

Stuart Cunningham and Graeme Turner (eds), The Media and Communications in Australia, Allen and Unwin, Sydney, 2001.

It is recommended that students purchase a reader from the Copy Centre

MECO 1003 Principles of Media Writing

6 credit points. A/Prof Lumby. **Session:** Semester 1. **Classes:** One 2hr lecture, one 1hr tutorial. **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 (20%), one two hour exam (30%), presentation/attendance (10%).

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 and online news, and be introduced to the principles of interviewing and journalistic research.

MECO 2001 Radio Broadcasting

8 credit points. Mr Evans. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 2 hour workshop. **Prerequisites:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNSG1005. **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 history of radio and to the theory and practice of radio production, by combining theoretical analysis with practical experience. The unit has a strong practical component in which students will research, script, record and edit a radio news story and a radio magazine item.

Textbooks

Phillips, G and Lindgren, M (2002) Australian Broadcasting Journalism Manual, Oxford University Press. It is recommended that students purchase a reader from the Copy Centre

MECO 2003 Media Relations

8 credit points. Dr. Richard Stanton. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNSG1005. **Assessment:** 2500 words of practical assignments, one examination (2hrs).

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.

MECO 2801 Media and Communications Exchange

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

NB: 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 Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO 2802 Media and Communications Exchange

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

NB: 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 Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO 2803 Media and Communications Exchange

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

NB: 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 Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO 2804 Media and Communications Exchange

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

NB: 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 Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

MECO 3001 Video Production

8 credit points. Dr. Anne Dunn. **Session:** Semester 2. **Classes:** One 2hr lecture, one 2hr workshop. **Prerequisites:** 12 junior credit points of MECO units; ENGL1005 or ENGL1050 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 is an introduction to the theory and practice of digital video production, with a strong practical component, emphasizing information-based programming (news, current affairs, corporate video,

documentary and infotainment). Students will be expected to produce short video items individually and in groups, using professional standard desktop editing software.

Textbooks

Mollison, Martha (2003). Producing Videos: A Complete Guide. 2nd edition. AFTRS/Allen & Unwin: Sydney. There is a Reader, available from the University Copy Centre.

MECO 3002 Online Media Production

8 credit points. Ms Crawford. **Session:** Semester 1. **Classes:** one 1hr lecture, one 2hr tutorial. **Prerequisites:** MECO3001. **Assessment:** One web site worth 45%; one production log (10%); one two hour exam (30%); one web site proposal (10%); tutorial participation (5%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit will examine the role of the Internet, new media and the way the web is changing the media landscape. It explores the development and growth of the Internet, and provides a critical framework in which to understand the current industry. By the end of the unit, students will be familiar with key theoretical and cultural issues in online media, and will engage in both offline and online analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will design and develop their own web sites.

Textbooks

Gauntlett, David, Web.Studies: Rewiring media studies for the digital age, London: Arnold, 2nd ed, 2004, pp.250, ISBN 0340814721

It is recommended that students purchase a reader from the Copy Centre

MECO 3003 Media, Law and Ethics

8 credit points. A/Prof. Lumby. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 junior credit points of MECO units; ENGL1005 or ENGL1050 or LNSG1005. **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.

MECO3003 will introduce students to key legal and ethical issues relevant to journalism and the professional fields of public communication. Students will be given an introductory survey of the main ethical theories in Western thought to establish a framework within which to examine specific ethical issues that relate to media. They will also be introduced to the structure of Australia's legal system and to those aspects of the law that impinge on the work of media professionals.

Textbooks

Remote Control: New Media, New Ethics, Cambridge University Press, Melbourne 2003

Pearson, Mark (2004) The Journalist's Guide to Media Law, Allen and Unwin

MECO 3005 Media Globalisation

8 credit points. Mr. Brennan. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 junior credit points of MECO units; ENGL1005 or ENGL1050 or LNSG1005. **Assessment:** Book Review 20%; Presentation 25% Tutorial attendance and participation 10%; Essay 45%.

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 and a global media.

MECO 3006 Advanced Media Writing

8 credit points. A/Prof. Lumby. **Session:** Semester 2. **Classes:** One 2 hour lecture and one 1 hour workshop. **Prerequisites:** MECO 1003. **Assessment:** 3000 words or print media writing assignments (60%) and one 2 hr exam (40%).

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

This unit of study will build on foundational writing, research and interviewing skills acquired in MECO1003 Principles of Media Writing. The focus will be on writing for print and online media and will emphasise advanced feature and opinion writing. Students will also study the history of print media formats and genres and consider relevant theoretical issues.

MECO 3701 Media and Communications Internship

8 credit points. Ms Blue. **Session:** Semester 1, Semester 2. **Prerequisites:** MECO3002 and MECO3003. **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report. The internship is assessed on a satisfactory/unsatisfactory basis.

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

The internship consists of a work placement comprising 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. Ms Blue. **Session:** Semester 1, Semester 2. **Prerequisites:** MECO3002 & MECO3003. **Corequisites:** MECO3701. **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%. Students will be required to present a journal recounting their experiences during the internship and

5. Arts units of study

in consultation with a supervisor, will formulate a topic for their 4000 word research essay.

NB: Available to BA(Media and Commun) and BSc (Media & Communications) students only.

Students will be required to present a journal recounting their experiences during the internship and, consultation with a supervisor, will formulate a topic for their 5000 word research essay.

Textbooks

Stokes, Jane (2002) How to do Media and Cultural Studies, London: Sage

MECO 4101 Honours Internship and Project

16 credit points. Ms. Crawford. **Session:** Semester 1. **Classes:** 140 hours of monitored workplace experience plus independent research with compulsory supervisory consultations. **Prerequisites:** 144 credit points in the BA (Media and Communications) degree with a Credit average in senior MECO units of study. **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 6000-7000 word research essay or equivalent production piece with appropriate documentation. (70%).

NB: Department permission required for enrolment. Available to students enrolled in the BA Media & Communications

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.

Textbooks

Stokes, Jane (2002) How to do Media & Cultural Studies London: Sage

MECO 4102 Research Methods: Media & Communication

8 credit points. Mr Brennan. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** 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 2500 word paper elaborating the oral presentation and incorporating comments (35%), and one 3500 word essay (40%).

NB: Department permission required for enrolment. Available only to students enrolled in the BA (Media and Communications)

This unit of study gives students advanced skills in critical and close readings of key texts and a broader understanding of research methodologies. It will assist and prepare students to select the most appropriate methods and theoretical frameworks for their Honours thesis research.

Textbooks

A Unit of Study Reader will be available

MECO 4103 Honours Thesis 1

12 credit points. Mr Brennan. **Session:** Semester 2. **Classes:** Regular consultation with supervisor is required, at which an agreed schedule of work will be negotiated. **Prerequisites:** (MECO4101 and MECO4102) or (MECO4201 and MECO4202). **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.

NB: Department permission required for enrolment. Available to students enrolled in the BA Media and Communications only

Two units (MECO4103 and MECO4104) 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:** Semester 2.

NB: Department permission required for enrolment.

See Description for MECO 4103

MECO 4201 Honours Conversion 1

8 credit points. Mr Brennan. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** BA (Media and Communications) with a Credit Average in senior MECO units of study. **Assessment:** 6,000 words in assignments/ essays and no exams or 4,000 words and 2hrs of formal exams.

NB: 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.

MECO 4202 Honours Conversion 2

8 credit points. Mr Brennan. **Session:** Semester 1. **Classes:** 3 hours per week. **Prerequisites:** BA Media and Communications with Credit average in senior MECO units of study. **Assessment:** 6,000 words in assignments/ essays and no exams or 4,000 words and 2hrs of formal exams.

NB: 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.

Medieval Studies

MDST 2001 The Written Record of the Middle Ages

8 credit points. A/Professor Pryor (Coordinator). **Session:** Semester 1. **Classes:** Three hrs per week; Timetable: Tuesday 12-1, Thursday 12-2. **Prerequisites:** At least 18 Junior credit points from part A of the Table of units of study, of which 12 credit points are from one subject. **Assessment:** Two 2000wd essays; one take-home examination or equivalent.

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.

Students have the opportunity to acquire "hands-on" experience of surviving medieval source materials, to understand the cultural contexts in which they were created, the ways in which they were created and the purposes for which they were created, and to develop the skills and understanding necessary to comprehend and use them. These, and in particular understanding of relationships between literate and oral cultures which underpin all surviving medieval written artefacts, should stand them in good stead for further study of medieval history and culture. Students also enjoy the course and have fun.

Some lectures and tutorials are also made available in Web-based versions through the Unit of Study Web site. These do not obviate the need to attend classes.

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 2008 The First Crusade

8 credit points. A/Prof J Pryor. **Session:** Semester 2. **Classes:** Two 1hr lectures and one 1hr tutorial per week. Lectures: Tuesday 12-1, Thursday 12-1. Tutorials Tuesday 11-12, Thursday 11-12, 1-2. **Prerequisites:** At least 18 Junior credit points from part A of the Table of Units of Study of which 12 credit points are from one subject. **Assessment:** Two 2000wd essays; a week-end take home examination.

This Unit of Study may be counted towards a Major in History. This unit examines the Origins of the First Crusade and its impact on the Byzantine and Muslim worlds. It examines the social, economic, political, religious, and cultural conflicts and interactions between the three great civilizations of the Middle Ages leading up to the phenomenon of the First Crusade of 1095-9 and the fall of Jerusalem to the Crusaders on 15 July 1099 after a march from the West that lasted three years. Issues to be examined include the problematical nature of almost of all of the sources; the historical development of the three great monotheistic faiths of the Mediterranean world; religious attitudes to adherents to other faiths; Muslim jihad and Christian holy war; concepts of state; political institutions; social and economic contacts; the conduct of war by land and sea (including the critical issue of logistics); and intellectual contacts and influences.

Students have the opportunity to acquire an understanding of what was arguably the most momentous event in European and Mediterranean history in the Middle Ages and an appreciation of the three civilizations and religions which were involved in it. The Unit examines the historical, religious, and cultural contexts in which the First Crusade occurred. A major focus is critique of, and understanding of, surviving primary sources and students will have the opportunity to develop skills in using these. Knowledge, skills, and understanding acquired in this Unit should be valuable in any further study of medieval history and culture.

Notes for lectures and tutorials are released as Web-based versions through the Unit of Study Web site the following week. These do not obviate the need to attend classes.

Textbooks

The Course Guide is made available on the Web site of the Centre for Medieval Studies at: <http://www.arts.usyd.edu.au/Arts/departs/medieval/>

Students are expected to down-load the Course Guide from the Web site or to photocopy the hard copy kept in the General Office of the School of English, Art History, Film and Media.

There is no Course Reader for this course

MDST 4011 Medieval Studies Honours A

12 credit points. A/Professor Pryor (Coordinator). **Session:** Semester 1, Semester 2. **Prerequisites:** 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%.

NB: Department permission required for enrolment.

Medieval Studies IV Honours is a 2-semester programme consisting of:

1. A thesis of 15-20,000 words, written under the supervision of a member of staff nominated by the Coordinator.
2. Four one-semester units of study (2 hours per week) chosen from Special Entry and IV Honours units of study in approved subject areas.

NOTE: Since entry into IV-Honours units of study requires completion of Senior-level Special Entry units of study, it is important that prospective IV-Honours students consult the Coordinator to ensure that their choice of Senior-level units of study is appropriate to their intentions for IVth Year.

Normally, although this may be varied in individual cases, the coursework is worth 60% of the total mark and the thesis is worth 40%.

MDST 4012 Medieval Studies Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MDST4011. Refer to MDST 4011.

MDST 4013 Medieval Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MDST4012. Refer to MDST 4011.

MDST 4014 Medieval Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MDST4013. Refer to MDST 4011.

Modern Greek

MGRK 1101 Basic Modern Greek A

6 credit points. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 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. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 1 lecture and two 2 hour tutorials per week. **Prerequisites:** 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:** Semester 1. **Classes:** Two lectures and three tutorials per week. **Prerequisites:** Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency determined by the Department. **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:** Semester 2. **Classes:** Two lectures and three tutorials per week. **Prerequisites:** MGRK1401 or equivalent language proficiency. **Assessment:** one 1000 word paper, one 1.5 hr exam, tutorial presentation.

This is a continuation of MGRK1401 A. Under special arrangement enrolment in this unit without completion of MGRK1401 A is possible after discussion with course coordinators.

MGRK 1501 Cultural and Historical Survey A

3 credit points. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 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:** Semester 2. **Classes:** 1 Lecture, 1 Tutorial per week. **Prerequisites:** MGRK 1501 or special permission from the Chair of Department. **Assessment:** one 1000 word paper, one 1.5 hr exam, tutorial presentation. This unit, which is a continuation of MGRK1501, 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:** Semester 1. **Prerequisites:** 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:** Semester 2. **Prerequisites:** MGRK 2001. **Assessment:** Continuous assessment, 1400 word paper, two 2-hour examinations. This unit is a continuation of MGRK2001: Intermediate Modern Greek A, and builds upon the knowledge and skills acquired during semester 1.

Textbooks

Supplied through department.

MGRK 2203 Style and Expression

4 credit points. Dr Anthony Dracopoulos. **Session:** Semester 1. **Classes:** One lecture and 1 tutorial per week. **Prerequisites:** MGRK1402 or MGRK 2002. **Assessment:** Continuous assessment and one 2-hour examination.

The unit builds on the structures analysed in MGRK1401 and MGRK1402. 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. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** 1 lecture, 1 tutorial. **Prerequisites:** MGRK1402 or MGRK2002. **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 2503 Origins of Modern Greek Culture

4 credit points. Dr Dracopoulos. **Session:** Semester 2. **Classes:** One lecture and one tutorial. **Prerequisites:** 12 Junior credit points of Modern Greek or special permission. **Assessment:** 1000 word essay, tutorial presentation and 2 hour exam.

Are the Modern Greeks the inheritors of the Ancients or the Byzantines? Are the most dominant aspects of their culture pagan or Christian? Are they Greeks, Romioi or Hellenes? How did Modern Greeks deal with their long and varied past? The unit will critically examine the major perceptions (central and peripheral) of the Greek cultural identity put forward by the Greek intellectuals and artists from the enlightenment to date, placing particular emphasis on views which arose after the formation of the modern Greek nation-state.

5. Arts units of study

It will deal with issues of identity, tradition, nation, cultural continuity and discontinuity and it will also try to relate these issues to the Greek Australian experience.

Textbooks
Supplied through the Department

MGRK 2508 Greek Modernism

4 credit points. Dr Anthony Dracopoulos. **Session:** Semester 1. **Classes:** 1 lecture, 1 tutorial. **Prerequisites:** 12 Junior credit points in any Modern Greek subject or special permission. **Assessment:** 1000 word essay, tutorial presentation / participation and 2-hour exam.

Focusing on a selection of Seferis' poetry and Elytis' "Axion Esti" this unit aims at introducing students to the change brought to Greek letters by the movement of modernism.

Together with the analysis of specific poems, it also attempts to place the Greek movement within the wider context of European modernism and to identify their differences and similarities.

Textbooks
Supplied through department

MGRK 2511 Byzantine Culture and Art

4 credit points. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1. **Classes:** 1 one hr lecture, 1 one hr tutorial. **Prerequisites:** 12 Junior credit points in any subject. **Assessment:** 2000 word essay, tutorial presentation and class participation.

In this unit we present and study the development of Byzantine culture and art from the foundation of Constantinople (330) to the fall of the city to the Turks (1453).

Within a loosely-drawn historical framework this unit focuses on major cultural movements (Iconoclasm, Neoclassicism, Neopaganism) and their artistic expression, analysing the links between aesthetics in secular and religious spheres and the social texts underlying them.

It also explores some of the period's most significant personalities (Photios, Michael Psellos, etc.) coming to conclusions over the influence of Byzantine culture, in the western middle ages, Russia and Renaissance Europe.

Textbooks
Supplied through Department

MGRK 2513 Social Norms/Stereotypes in Greek Cinema

4 credit points. Dr Panayiota Nazou. **Session:** Semester 2. **Classes:** 1 lecture and 1 tutorial per week. **Prerequisites:** 12 credit points of Junior Modern Greek. **Assessment:** 1000 word tutorial paper and presentation, a 1000 word essay or 2 hour exam.

This unit examines Greek films of the last five decades that give insights into developing views of Greek society with specific attention to gender representations, social mobility, feminist issues, value systems, significant historical events, sex roles and attitude towards outsiders. It discusses stereotyping and ideological constructs, investigating how cinematic technique conveys cultural meaning.

Textbooks
See department for details

MGRK 2525 New Testament Greek and its World A

8 credit points. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** 12 Junior credit points in any subject. **Assessment:** 4500 word essay, class presentation (equivalent to 1500 words), class participation.

This unit explores, by means of language, the world, the ideas and the formation of the New Testament as the foundation book of Christian tradition. Language becomes the starting point for the structural analysis of the various books comprising the New Testament and for the close reading in their meaning. It also raises issues of translation and interpretation which were crucial for the establishment of major Christian doctrines and ethical values in different cultures. Finally, it offers a thorough examination of critical discussions about the continuing influences of the New Testament and investigates the discipline of New Testament studies in the beginning of the 21st century.

MGRK 2526 New Testament Greek and its World B

8 credit points. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** 12 Junior credit points in any subject. **Assessment:** 4500 word essay, class presentation (equivalent to 1500 words), class participation.

This unit is a continuation of MGRK2525 New Testament Greek and its World A, and builds upon the knowledge acquired in semester one.

MGRK 2801 Modern Greek Exchange

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

MGRK 2802 Modern Greek Exchange

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

MGRK 2803 Modern Greek Exchange

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

NB: Department permission required for enrolment.

MGRK 2807 Modern Greek Exchange

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

MGRK 2808 Modern Greek Exchange

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

MGRK 2904 Sociolinguistics in the Greek Diaspora

4 credit points. Dr Panayiota Nazou. **Session:** Semester 1. **Classes:** 1 lecture and 1 tutorial per week. **Prerequisites:** A Special Entry Eligibility form signed by the Chair of Department. **Assessment:** Continuous assessment and a 2 hour examination.
NB: 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:** Semester 2. **Classes:** One lecture and 1 tutorial per week. **Prerequisites:** MGRK1402 or special permission from the Department. **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 3210 Theory and Practice of Translation A

4 credit points. Dr Panayiota Nazou. **Session:** Semester 1. **Classes:** 1 tutorial, 2 x 1 hour lectures. **Prerequisites:** MGRK1402 or special permission from the Department. **Assessment:** Continuous assessment and one 2000 word essay.

An introduction to translation including both basic techniques and advanced skills, for example in literary translation. Students practice translation both from Greek to English and from English to Greek. Introductory lectures in the theory of translation will incorporate contemporary approaches, such as gender theory, post-colonial studies etc. and will provide a solid foundation for the better understanding of translation as cultural mediation.

Textbooks
Supplied through department.

MGRK 3901 Theories of Literature

4 credit points. Dr Anthony Dracopoulos. **Session:** Semester 2. **Classes:** 1 lecture, 1 tutorial per week. **Prerequisites:** A Special Entry Eligibility form signed by the Chair of Department. **Assessment:** Tutorial presentations / participation and 2 hour exam paper.

NB: 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. Assoc. Prof. Vrasidas Karalis. **Session:** Semester 1, Semester 2. **Prerequisites:** A major in Modern Greek plus 16 additional credit points which must include MGRK2904 and 3901. **Assessment:** Essays for each seminar and long essay.
NB: Department permission required for enrolment.

Students will complete six semester length seminars and associated work. In addition to this students will write a Long Essay of about 15000 words on a subject chosen in consultation with the Department's staff. Individual guidance will be provided. The seminars offered in 2005 are:

- Semester 1:
- Literary History and Poetics
 - Greek Literature in Film
 - Comparative Literature
- Semester 2:
- Modern Greek Historiography
 - History of Modern Greek Literary Criticism
 - Classical Heritage in Modern Greek Culture

Textbooks
Supplied through department.

MGRK 4012 Modern Greek Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MGRK4011.

MGRK 4013 Modern Greek Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MGRK4012.

MGRK 4014 Modern Greek Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MGRK4013.

Music**SSCP 1001 Performing Australia**

6 credit points. Dr Maxwell. **Session:** Semester 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.

SSCP 1002 A Global Sound: African American Music

6 credit points. Dr Charles Fairchild. **Session:** Semester 2. **Classes:** 2 hr lecture & 1 tut/week. **Assessment:** Two 500 word assignments; result of individual analysis. (15%) One 1,000 word assignment; result of group work. (30%) One 2,500 word assignment; result of individual research (40%).

How did the music of an enslaved and marginalized people eventually become a dominant force in contemporary popular culture? This unit will examine the local reinvention of a wide variety of African American music in communities around the world. From the adoption and adaptation of blues in Mali, salsa in the Caribbean, or hip-hop in France, we will examine how music moves around the world and within local communities to make new forms of meaning.

MUSC 1501 Concepts of Music

6 credit points. Assoc Prof Winsome Evans. **Session:** Semester 2. **Classes:** 2 lectures & 1 tutorial/wk. **Prerequisites:** At least 67% in the NSW HSC Music 2 or 3-unit Music Extension or the equivalent skills as determined by the Department of Music. **Assessment:** Seven composition exercises (60%), two aural tests plus class work assessment in weekly aural tutorials (40%).

NB: The Department holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses and believe they have the equivalent aural and harmonic skills to attend Concepts of Music, please phone the department for details by the end of February.

Research-based analysis of fundamental compositional concepts in a wide range of Western and non-Western musical styles (classical, popular, traditional etc) in order to complete set exercises in musical composition, complemented by integrated aural tutorials. The course will focus on aspects of melody, harmony and rhythm. All exercises are to be presented in neat, hand-written notation in book format.

MUSC 1503 Fundamentals of Music I

6 credit points. Dr Matthew Hindson. **Session:** Semester 1. **Classes:** 1 lectures & 2 tutorials/wk. **Assessment:** For written assignments (15% each), three aural in-class assessments (30%), attendance and participation (10%).

An introduction to basic music literacy skills, including the ability to read and write music and an understanding of fundamental aspects of its structure and composition. The material covered in this course ranges from elementary skills such as the system of Western music notation through to advanced skill such as four-part vocal writing and melodic dictation.

MUSC 1504 Fundamentals of Music II

6 credit points. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 1 lecture & 2 tutorials/wk. **Assumed Knowledge:** Material covered in MUSC1503. Students interested in taking this course who have not completed MUSC1503 must see the lecturer beforehand to ascertain that they have the required knowledge. **Assessment:** Four written assignments (15% each), tutorial attendance (10%), aural tests in tutorials (30%).

A more advanced exploration of music literacy skills. The material covered in this course ranges from the broad to the specific: from an examination of musical elements and the way they are used in a variety of musical genres through to specific compositional aspects such as advanced four-part writing or features of melodic writing in different musical cultures.

MUSC 1506 Music in Western Culture

6 credit points. Professor Anne Boyd. **Session:** Semester 1. **Classes:** 2hr lecture & 1 tut/wk. **Assumed Knowledge:** The ability to follow a musical score while listening to the music. **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 2009 Introduction to Medieval Music

4 credit points. Associate Professor Evans. **Session:** Semester 2. **Classes:** 1.5 lectures/week. **Prerequisites:** 48 Junior credit points and the ability to follow a score while listening to the music. **Assessment:** 2,500 word essay AND transcription and arrangement of music; OR one 4500 word essay.

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

Topics to be covered, from time to time, include secular music of mediaeval Spain and Portugal, mediaeval European dances and dance-songs, and the music of the Sephardim. These units of study will survey the output of music and poetry, mediaeval attitudes to performance and analysis of musical structures.

MUSC 2010 Advanced Concepts 1

4 credit points. Associate Professor Nicholas Routley. **Session:** Semester 1. **Classes:** 1 lecture & 1 tutorial/week. **Prerequisites:** MUSC 1501 or MUSC 1504. **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. Cecilia Sun. **Session:** Semester 1. **Classes:** 2 tutorials/week. **Prerequisites:** 18 junior credit points in no more than two subject areas, AND audition (contact the department one week before semester begins). **Corequisites:** 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) programme notes.

NB: 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 programme 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:** Semester 2. **Classes:** 2 hour tutorials/week. **Prerequisites:** MUSC 2012. **Corequisites:** 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) programme 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 programme 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 Routley. **Session:** Semester 1. **Prerequisites:** 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. **Assessment:** Weekly tutorials (rehearsal); concert performance; 2,500 word essay. Department permission required for enrolment.

NB: 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. Associate Professor Nicholas Routley. **Session:** Semester 2. **Prerequisites:** 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 2026 Australian Aboriginal Music

4 credit points. Professor Allan Marett, Sally Treloyn. **Session:** Semester 1. **Classes:** 13 lectures, 6 tutorials. **Prerequisites:** 18 Junior credit points in no more than two subject areas including at least 12 from Part A of the Table of units of study. **Assessment:** One listening test and one 3000 word essay.

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

5. Arts units of study

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 2029 Introduction to Opera Studies

4 credit points. Assoc Professor Nicholas Routley. **Session:** Semester 1. **Classes:** 1.5 lecture/week. **Prerequisites:** 12 junior credit points in music. **Assessment:** 3000 word essay and class presentations.

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

In this course the opposing ideas of musical theatre of Richard Wagner and Antoine Artaud form a theoretical foundation from which to view a wide variety of musical stage works. These will include operas by Monteverdi, Mozart, Wagner, Britten and Alan Johns, and musical stage works in the traditions of No, Kathakali and Wyang Orang.

MUSC 2041 Twentieth Century Harmony

4 credit points. Dr Matthew Hindson. **Session:** Semester 1. **Classes:** 2 lectures or tutorial/wk. **Prerequisites:** MUSC 1504 or MUSC 1501. MUSC 1503 may be accepted upon the lecturer's discretion. **Assessment:** A number of composition-based assignment tasks (60%). One further composition, performance, or class presentation task as advised by the lecturer (30%). Attendance and participation (10%).

Various compositional procedures from the twentieth century Western music tradition will be examined, with particular emphasis on music of the latter half of the century. Works by a variety of Australian and international composers will be studied, with the aim to increase students' understanding of some of last century's major developments in Western music.

MUSC 2053 Sound and Music for Multimedia

4 credit points. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 2hr lecture/demonstration/week. **Assumed Knowledge:** Familiarity with basic computer operation. **Prerequisites:** 18 Junior credit points in no more than two subject areas. **Assessment:** Continuous 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.

MUSC 2054 Popular Music

4 credit points. Dr Charles Fairchild. **Session:** Semester 2. **Classes:** 1 lecture & 1 tut/week. **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of units of study. **Assessment:** One 3,000 word essay (70%) and a listening test (30%).

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

A survey of the major genres of popular music, its modes of reception, role in contemporary life, major stylistic features and historical antecedents. What does Australian Idol have in common with 19th century minstrelsy? How did African Americans help invent country music? Was there ever really a 'Dunedin Sound'? Find out in this thematic overview of a wide variety of styles, movements and spectacles.

MUSC 2107 Classicism in Music

4 credit points. Dr Cecilia Sun. **Session:** Semester 2. **Classes:** 1.5 hour lecture/week. **Prerequisites:** 12 junior music credits. **Assessment:** One 3000 word essay (70%), a listening test (20%), attendance and participation (10%).

Orpheus and Revolution: a study of classicism in music between 1750 and 1827, focused mainly on Vienna, with particular emphasis on Haydn, Mozart and Beethoven. The course will study musical forms in the context of the Enlightenment, and the collapse of the Ancien Regime.

MUSC 2501 Australian and Asian Music

8 credit points. Professor Allan Marett, Professor Anne Boyd. **Session:** Semester 1. **Classes:** 18 two hour lectures & 4 tutorials. **Prerequisites:** 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. Associate Professor Nicholas Routley, Cecilia Sun. **Session:** Semester 2. **Classes:** two 2 hour lectures/wk. **Prerequisites:** 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. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 2 hour workshop/week. **Prerequisites:** 12 junior credits in music. **Assessment:** Two composition tasks as advised by the lecturer including one composition of at least 5 minutes or more duration, plus programme notes.

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 2611 Composition Workshop 2

4 credit points. Dr Matthew Hindson. **Session:** Semester 2. **Classes:** 2 hr workshop/week. **Prerequisites:** MUSC 2610. **Assessment:** Two composition tasks as advised by the lecturer including one composition of at least 5 minutes or more duration, plus concert reviews.

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 in twice term concerts of new music composed by workshop participants and acts as a forum for lectures from visiting composers and other music industry specialists. This unit covers areas not already covered in MUSC 2610.

MUSC 2801 Music Exchange

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

MUSC 2802 Music Exchange

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

MUSC 2803 Music Exchange

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

MUSC 2807 Music Exchange

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

MUSC 2808 Music Exchange

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

MUSC 2902 Harmony and Counterpoint

4 credit points. Associate Professor Nicholas Routley. **Session:** Semester 1. **Classes:** 1.5 lecture/wk & fortnightly tutorial. **Prerequisites:** 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).

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

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, Haydn, Schubert and Brahms.

MUSC 2903 Fieldwork, Ethnography and Transcription

4 credit points. Dr Charles Fairchild. **Session:** Semester 1. **Classes:** 1 lecture/week & fortnightly tutorials. **Prerequisites:** 12 junior music credit points. Students will normally have completed either MUSC 1501 or MUSC 1504. **Assessment:** Field project (oral and written presentation) (40%) three transcriptions (30%) critical readings (30%).

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

This unit is a prerequisite for BA Honours and MUSC 3908 and MUSC 3904. It examines a number of approaches to ethnomusical 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 ethnomusical 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 3010 Indigenous Australia: The Yolngu Way

6 credit points. Dr Aaron Corn. **Session:** Semester 1. **Classes:** 2 lectures and 1 tutorial/week. **Prerequisites:** KOCCR 2100 Indigenous Australia. **Assessment:** One assignment of 1500 words (30%) and one assignment of 2500-3000 words (70%).

This unit introduces the Indigenous intellectual and cultural traditions of the Yolngu of NE Arnhem Land in Australia's Northern Territory. The centrality of music, dance and design to Yolngu modes of discourse and expression will be examined. Students will gain a critical understanding of literature on Yolngu culture including key sources by Yolngu commentators and the broader implications of Yolngu discourses for cross-cultural research, and will be prepared to undertake Indigenous Australia: Garma Fieldwork (MUSC3011).

MUSC 3011 Indigenous Australia: Garma Fieldwork

6 credit points. Dr Aaron Corn. **Session:** Semester 2a. **Classes:** Students will receive in excess of 40 hours of contact with teaching staff and distinguished guest presenters under field conditions at the Garma Festival of Traditional Culture in North-East Arnhem Land in the early weeks of the semester. There will be one 2-hour induction seminar, and three 2-hour debriefing and assignment preparation seminars for students with teaching staff on campus spread across the remaining weeks of the semester. **Prerequisites:** KOCCR 2100 Indigenous Australia and MUSC3010 Indigenous Australia: The Yolngu Way. **Assessment:** One assignment of 1500 words (30%) and one assignment of 2500-3000 words (70%).

Students will study the expression of Yolngu intellectual and cultural traditions through music, dance and design at the Garma Festival of Traditional Culture in NE Arnhem Land. Guest performances and presentations by Yolngu elders will demonstrate Yolngu modes of expression, and introduce applied skills for conducting fieldwork and engaging in inter-cultural discourses. Students will experience field research in cross-cultural contexts, and will learn to critically assess its broader theoretical, political and legal implications. This course will incur additional charges.

MUSC 3104 Advanced Concert Performance 3

4 credit points. Cecilia Sun. **Session:** Semester 1. **Classes:** 1-2 hour tutorials/week. **Prerequisites:** MUSC 2013. **Corequisites:** 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) programme 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 programme 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:** Semester 2. **Classes:** 1-2 hour tutorials/week. **Prerequisites:** MUSC 3104. **Corequisites:** 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) programme 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 programme 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. Associate Professor Nicholas Routley. **Session:** Semester 2. **Classes:** 1.5 hour seminars/wk. **Prerequisites:** 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%).

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

The course has two components: bibliography and critical readings in the musicology of western and non-western music. The bibliography provides preparation for students intending to write a research paper or thesis as part of 4th year Honours.

MUSC 3905 Musicology 2

4 credit points. Cecilia Sun. **Session:** Semester 1. **Classes:** 1.5 hour seminar/week. **Prerequisites:** MUSC 3904. Mandatory pre-requisite 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 3906 Special Studies in Ethnomusicology 1

4 credit points. Vi King Lim. **Session:** Semester 2. **Classes:** 2 hour lecture/wk. **Prerequisites:** 18 junior credit points. **Assessment:** One 3000 word essay, (75%), one listening test (25%).

This unit will introduce students to ethnomusicological research method through the exploration of specific topics. Topics will be announced in the department but will involve detailed investigation of aspects of Australian Aboriginal music, Japanese music history and performance, or Indonesian music.

MUSC 3908 Music Analysis

4 credit points. Associate Professor Nicholas Routley, Sally Treloyn. **Session:** Semester 2. **Classes:** 1 hour lecture/week & 4 tutorials/semester. **Prerequisites:** MUSC 2903 and MUSC 2902. **Assessment:** Four short assignments (48%) class presentation - to be submitted (40%) class participation (12%).

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

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:** Semester 1, Semester 2. **Prerequisites:** Average credit results in senior music units totalling 32, as well as 4 special entry units: MUSC 2902, MUSC 2903, MUSC 3904 & MUSC 3908.

NB: Department permission required for enrolment.

The Honours BA in Music is both a completion at a high standard of an academic education in music, and a preparation for postgraduate study in music.

Honours requirements are:

- * Thesis of 15,000 - 20,000 words (40%)
- * Musicology 2 (20%)
- * Two Senior Music Units of Study (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.

Dissertation Seminar

Classes: Semester 1, 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.

Performance Special

Assoc Professor Winsome Evans
A supervised performance project.

Composition Special

Professor Anne Boyd
A supervised composition project.

Musicology Special

Associate Professor Allan Marett
A supervised musicology project.

MUSC 4012 Music Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MUSC4011. Refer to MUSC 4011

MUSC 4013 Music Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MUSC4012. Refer to MUSC 4011

MUSC 4014 Music Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** MUSC4013. Refer to MUSC 4011

Pali (no major available) - not offered in 2005

Performance Studies

SSCP 1001 Performing Australia

6 credit points. Dr Maxwell. **Session:** Semester 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.

SSCP 1002 A Global Sound: African American Music

6 credit points. Dr Charles Fairchild. **Session:** Semester 2. **Classes:** 2 hr lecture & 1 tut/week. **Assessment:** Two 500 word assignments; result of individual analysis. (15%) One 1,000 word assignment; result of group work. (30%) One 2,500 word assignment; result of individual research (40%).

How did the music of an enslaved and marginalized people eventually become a dominant force in contemporary popular culture? This unit will examine the local reinvention of a wide variety of African American music in communities around the world. From the adoption and adaptation of blues in Mali, salsa in the Caribbean, or hip-hop in France, we will examine how music moves around the world and within local communities to make new forms of meaning.

PRFM 1801 Performance Studies Exchange

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

PRFM 2001 Being There: Theories of Performance

8 credit points. Dr Maxwell. **Session:** Semester 1. **Classes:** (2 lectures, 1 tutorial)/week. **Prerequisites:** 18 Junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **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:** Semester 2. **Classes:** (2 lectures & 1 2hr workshop)/week. **Prerequisites:** 18 Junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

PRFM 2802 Performance Studies Exchange

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

PRFM 2803 Performance Studies Exchange

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

PRFM 2804 Performance Studies Exchange

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

PRFM 2807 Performance Studies Exchange

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

PRFM 2808 Performance Studies Exchange

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

PRFM 3005 Flexible Performance

4 credit points. A/Professor Fitzpatrick. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** 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 3012 Sociology of Theatre

4 credit points. Dr Maxwell. **Session:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** PRFM 2001 and PRFM 2002. **Assessment:** One 2500 word essay and 'fieldwork' presentation.

How is theatre made? What factors, influences and institutions constitute the field of theatrical production in any given context? This

unit will move beyond the rehearsal room and performance space to examine the contexts within which theatrical practice takes place.

PRFM 3016 The Playwright in the Theatre

8 credit points. A/Professor Fitzpatrick. **Session:** Semester 1. **Classes:** 2 x 2 hour seminar/workshops. **Prerequisites:** 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 class excursions to the theatre

PRFM 3019 Performance Analysis and Documentation

8 credit points. Dr Ginters. **Session:** Semester 1. **Classes:** 4 hours/week. **Prerequisites:** PRFM2001 & PRFM2002. **Assessment:** 1 group performance analysis (1000 words); 1 practical documentation project (video or photography); 1 essay (3000 words).

This unit of study deals with two of the tasks which are fundamental to the developing discipline of Performance Studies: performance analysis and the documentation of performance. Students attend theatrical performances, develop and refine their analytical skills and explore the semiotic theories which underpin the analytical practice. Video recordings and photographs of live performance are also analysed, and the opportunities and new problems that video poses for performance practitioners and scholars are discussed: aesthetic, political and ethical questions in relation to the recording of live performance are explored, students gain 'hands-on' experience in using both video and still photography to document performance, and assess the value of different modes of documentation for archival and analytical purposes.

PRFM 3021 Embodied Histories

8 credit points. Dr Card. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** PRFM 2001 and PRFM 2002. **Assessment:** One 3000 word essay, reading summaries (equivalent of 1500 words across semester), one 1500 word analytical 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 Charleston, the Lindy & Jive, through musical comedy & jazz, to gogo, disco and hip hop we will develop an understanding of the relationship between movement, music, time and place. This will be done through a combination of observation and practical participation – no former dance training required.

PRFM 3022 Theories of Acting

8 credit points. Dr Maxwell. **Session:** Semester 2. **Classes:** 4 hours/week. **Prerequisites:** 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 Plato 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:** Semester 2. **Classes:** 2 hours/week. **Prerequisites:** 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:** Semester 1. **Classes:** 3 hours/week. **Prerequisites:** PRFM 2001 and PRFM 2002. **Assessment:** One midterm exam (equivalent to 2500 words) and one essay of 3500 words.

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

In 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 3028 Performance: Hybridity and Appropriation

4 credit points. Dr Card. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** 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 from the 1950's and the development of hybrid dance practices by Indigenous and non-Indigenous choreographers since the 1970's in Australia, Britain and the United States.

PRFM 3901 Rehearsal Studies

4 credit points. Dr Dwyer. **Session:** Semester 1. **Classes:** 2 hours/week. **Prerequisites:** Credit results in PRFM 2001 & PRFM 2002. **Corequisites:** PRFM 3902 and 16 credit points in PRFM 3000 level units. **Assessment:** One 2500 word essay, seminar presentation.

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

This unit of study is structured around a performance project involving professional actors and a director. Students observe and analyse a rehearsal process, which will take place during the mid year break. In this unit, the theoretical and methodological ground-work is laid: accounts of rehearsal by participants and observers, ethnographic theory, video recordings of rehearsal, prompt books and other materials are examined with a view to establishing an appropriate level of awareness of the task and a methodological approach.

PRFM 3902 Rehearsal to Performance

4 credit points. Dr Dwyer. **Session:** Semester 2a. **Classes:** full time attendance for 2 weeks in the July break and 2 hours/week for the first 6 weeks of session. **Prerequisites:** PRFM 3901 and credit results in PRFM 2001 and PRFM 2002. **Corequisites:** 16 credit points in PRFM 3000 level units. **Assessment:** Casebook of rehearsal process.

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

In the July break students observe professional actors and director in rehearsal, they document and record the process with a view to writing a casebook about it. The classes in the first part of the session provide an opportunity to unpack the experience, to undertake some analysis of the resulting performance, and to rethink the theoretical and methodological issues in light of the practical experience.

PRFM 4011 Performance Studies Honours A

12 credit points. Co-ordinator: Dr Dwyer. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit results in PRFM 3901 and PRFM 3902, and credit average in a further 32 credit points of PRFM units. **Assessment:** 5000 words (in essays and papers) for each of the three coursework seminars listed below; 12,000 -15,000 word casebook on fieldwork experience; 12,000-15,000 word dissertation. Intending Honours students should speak to the Honours co-ordinator before enrolling.

NB: Department permission required for enrolment.

The Honours year brings theory and practice together in mutually illuminating ways. The first semester involves coursework seminars, as well as participation (unassessed) at a number of practical workshops, an honours group supervision meeting and postgraduate seminars. In second semester students complete research for their dissertation and go on placement to observe training/rehearsal processes in a professional arts organisation. This placement provides the basis for the casebook.

Honours requirements are:

Coursework Seminar: Reading Theatre History

Dr 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 Lewis. **Classes:** 2 hours/week. **Assessment:** 5000 words in essays and papers. Semester 1

Recent interest in theories (and practices) which refigure or mediate the mind/body distinction, so long dominant in Western academia, have abounded in many disciplines in the last twenty years. An initial

interest in bodies and conceptions of bodies has given way, in many cases, to a focus on the process of human embodiment, seen as an existential or ontological problem. This unit will examine a spectrum of approaches to embodiment (especially European and American phenomenologies, but also poststructuralist and feminist ideas) which have been applied to human interactions and performances in a range of sociocultural settings. A serious engagement with these approaches will lead to a problematics of the theory-practice dichotomy itself, a timely issue in anthropology, performance studies, and many interdisciplinary projects.

Coursework Seminar: Contemporary Performance (including practical workshops)

Dr Dwyer. **Classes:** 2 hours/week. **Assessment:** 5000 words in essays and papers. Semester 1.

This unit examines the history, development and theoretical influences on contemporary performance genres, with a specific focus on work happening in Sydney. In addition, students will be expected to use the seminar as a forum for unpacking their experiences in a series of practical workshops with artists in residence at the Department. The workshops happen at a separate time to the seminar.

Dissertation (approximately 12,000-15,000 words)

To be written on a topic selected by the candidate after discussion with the Honours Coordinator and the approved supervisor. Students may wish to choose a topic that builds on the field observations of the placement/casebook assignment (see below) but this is by no means obligatory. The important point is that the dissertation must engage with a clearly defined theoretical question and that it must advance an argument, based on the student's familiarity with the views of other authors and on some coherently pursued (primary and or secondary) research.

Fieldwork/Casebook assignment

Fieldwork placements will be arranged as early as possible in the year on the basis of discussions between students, the Honours Coordinator and other staff. Students are encouraged to nominate events/productions/companies or genres of performance that they would like to observe in development. The placement should entail observation of a more-or-less complete training/rehearsal process involving professional arts practitioners. The written casebook is an ethnographic account of this process.

PRFM 4012 Performance Studies Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** PRFM4011. Refer to PRFM4011

PRFM 4013 Performance Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** PRFM4012. Refer to PRFM4011

PRFM 4014 Performance Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** PRFM4013. Refer to PRFM4011

Philosophy

PHIL 1010 Society, Knowledge and Reason

6 credit points. Dr Grumley, Dr Russell and TBA. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Assessment:** 1 x 500 word assignment (10%); 1 x 2000 word essay (30%); 1 x 2hr exam (60%).

This unit is an introduction to central issues in political philosophy, theories of knowledge and methods of critical reasoning. The first part will consider the state, freedom and political obligation. The second part will examine some of the major theories of knowledge in the modern philosophical tradition. The final section will look at the nature of argument, validity and truth.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 1011 Reality, Ethics and Beauty

6 credit points. Dr Braddon-Mitchell Dr Macarthur Dr West. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Assessment:** 1 x 500 word assignment (10%); 1 x 2000 word essay (30%); 1 x 2hr exam (60%).

This unit is an introduction to central issues in metaphysics, ethics and aesthetics. It opens with general questions about reality, God, personal identity and free will. The middle section of the unit will consider questions about values, goodness and responsibility. The final part is concerned with aesthetic judgement and the value of beauty.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 1012 Introductory Logic

6 credit points. Dr Bacon. **Session:** Semester 2. **Classes:** 2 x 1hr lecture and 1hr tutorial per week. **Assessment:** Weekly exercises and exam.

5. Arts units of study

The construction of valid deductive arguments involving sentence connectives and quantifiers, translated from English into logical notation.

Textbooks

Bacon, J. Basic Logic, vol.1; available from the University Copy Centre.

PHIL 1016 Mind and Morality HSC

6 credit points. **Session:** Summer, Winter.

PHIL 1801 Philosophy Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

PHIL 2004 Descartes and Continental Philosophy

8 credit points. Dr Anstey. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** Essay and exam.

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

Descartes is generally regarded as the founder of modern philosophy, and in this course we look both at his own contribution, and at his influence on the subsequent course of philosophical thought in the work of Malebranche, Spinoza, and Leibniz. Just over half the course will be devoted to Descartes' own thought, and we will look at the various stages in the development of his ideas. In the second half of the course, we will examine the ideas of his successors on selected metaphysical themes, above all on the mind/body question.

Textbooks

R. Descartes, Discourse on Method and Other Writings, trans. D. Clarke (Penguin paperback)

R. Descartes, Meditations and Other Metaphysical Writings, trans. D. Clarke (Penguin paperback)

G. Leibniz, Discourse on Metaphysics and other Essays (Hackett paperback)

B. Spinoza, Ethics, Treatise on the Emendation of the Intellect and Selected Letters (Hackett Paperback)

PHIL 2005 Locke and Empiricism

8 credit points. Dr Anstey. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** Essay and 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. TBA. **Session:** Semester 2. **Classes:** 2 hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **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 Logic

8 credit points. Dr Bacon. **Session:** Semester 2. **Classes:** 2 x 1hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Assessment:** Weekly exercises and exam.

Criteria of valid reasoning: extensive practice applying rules of deduction to draw correct conclusions from given premises couched in a special symbolic language. Both sentence connectives and quantifiers will be covered.

Textbooks

Bacon, John. Basic Logic (vol.1) Available from the University Copy Centre.

PHIL 2211 Problems of Empiricism

8 credit points. Dr Heathcote. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **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 Mind

8 credit points. Dr Braddon-Mitchell. **Session:** Summer, Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** Essay and take-home exam.

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

An introduction to modern theories of the nature of mind, and some important contemporary issues in the philosophy of mind. Topics will include the problem of mental representation (How can minds think about the world?), the relationship of minds to brains, and the problem of consciousness.

Textbooks

The Philosophy of Mind and Cognition, D. Braddon-Mitchell and F. Jackson, Blackwell, Oxford 1997.

PHIL 2215 Intermediate Logic

8 credit points. Assoc. Professor McDermott. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy, and PHIL1012 or PHIL2203. **Assessment:** Exam & exercises.

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

The axiomatic approach to classical logic. The focus is on proofs of the main metalogical results - consistency, completeness, etc - for the propositional and predicate calculi.

Textbooks

Mendelson. Introduction to Mathematical Logic. van Nostrand.

PHIL 2219 Philosophy of Mathematics

8 credit points. Dr Heathcote. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** Essay and take home exam.

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

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 Godel and Lob theorems.

Textbooks

To be made available through the University Copy Centre

PHIL 2220 Probability and Decision Theory

8 credit points. Dr Smith. **Session:** Semester 1. **Classes:** 2 x 1hr lectures and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** 1 x 2,500 word essay; 1 x in-class test; 1 x 2hr exam.

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

Throughout our lives, in making decisions large and small, we gamble in the face of uncertainty. Because we are always unsure what the future holds, we base our choices on estimates of probability. But what is probability, how do we know about it, and how should we use that knowledge in making rational choices? This course provides an introduction to the foundations and philosophical puzzles of probability and rational decision theory.

Textbooks

Michael Resnik, Choices: An Introduction to Decision Theory University of Minnesota Press, 1987.

PHIL 2226 Philosophy and Psychoanalysis

8 credit points. Dr Winfield. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** 2 x 1500w assignments and a 3000w essay.

An analysis and critique of the main ideas in Freudian psychoanalysis, their philosophical background, and their influence in subsequent philosophy of mind.

Textbooks

Freud, S. Introductory Lectures in Psychoanalysis,

Wollheim, R. Freud.

PHIL 2227 Philosophy and Psychiatry

8 credit points. Dr Winfield. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** 2 x 3000 word essays.

Can the concept 'mental illness' be a valid one? What might delusions tell us about the structure of the mind? What assumptions underlie attempts to classify mental disorder? Can we be justified in compelling people to submit to psychiatric treatment? This unit will examine

philosophical questions raised by mental disorder and our attempts to understand/treat it, and will connect psychiatry to debates in philosophy such as the mind/body problem, the concept of a person, and the possibility of knowledge.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 2238 Husserl's Phenomenology

8 credit points. Dr Christensen. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** One 2,000 word take home exam (40%) and one 4,000 word essay (60%).

An investigation of Edmund Husserl's transcendental phenomenology, considering its fundamental problem and methodological response. The study of Husserl is conducted against the continual tension between openness and closure, and seeks to establish the extent to which these two fundamentally opposing impulses are reconciled. Also shows how Heideggerian theme of the 'end of metaphysics' and the Derridean notion of difference emerge, and derive their meaning, from Husserl's phenomenology.

Textbooks

A selection of readings from Husserl and other authors will be provided.

PHIL 2239 Heidegger's Phenomenology

8 credit points. Dr Christensen. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 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 2240 Sustainability, System and Society

8 credit points. Dr Christensen and Dr Tokinwise. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points. **Assessment:** 2 x 3000 word essays.

NB: NB: This course is taught in collaboration with the Department of Design, Faculty of Design, Building and Architecture, UTS.

Is sustainability just a matter of efficiency? Of mimicking nature? Of living more frugally and communally? We first examine conventional notions of the sustainable in order to expose the notion of design underlying them. We then examine the claim that sustainable design integrates reflection on what it is to "live well" into itself. Finally, those conceptions of sustainable human existence which implicitly recognise a link between design and "living well", e.g., simple living movements, alternative communities, eco-feminism, etc. are examined.

Textbooks

A selection of readings from diverse authors will be available from the University Copy Centre
 Recommended Reading
 Borgman, Albert, *Technology and the Character of Contemporary Life*, Chicago: University of Chicago Press, 1984
 Botkin, Daniel, *Discordant Harmonies*, New York: Oxford University Press, 1994
 Bramwell, Anna, *Ecology in the 20th Century: A History*, New Haven: Yale University Press, 1992
 Davidson, Aiden, *Technology and the Contested Meanings of Sustainability*, Albany, SUNY Press, 2001
 Fischer, Frank and Marteen Haajer, *Living with Nature: Environmental Politics as Cultural Discourse*, New York: Oxford University Press, 1999
 Hawken, Paul, *Natural Capitalism: The Next Industrial Revolution*, Boston: Little, Brown and Company, 2000
 Jonas, Hans, *The Imperative of Responsibility*, Chicago: University of Chicago Press, 1984
 Manzini, Ezio and Jegou, Francois, *Sustainable Everyday: Scenarios of Urban Life*, Milano: Edizioni Ambiente, 2003
 McDonough, William and Braungart, Michael, *Cradle-to-Cradle: Remaking the Way We Make Things*, New York: North Point, 2002
 Orr, David W. *The Nature of Design: Ecology, Culture, and Human Intention*, Oxford: Oxford University Press, 2002
 Plumwood, Val, *Environmental Culture*, Routledge, 2002
 Worster, Donald, *The Wealth of Nature: Environmental History and the Ecological Imagination*, New York: Oxford University Press, 1994

PHIL 2507 Indigenous Rights

8 credit points. Dr Ivison. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in philosophy. **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:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** Essay and take home exam.

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

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:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **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 and Dr West. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** 1 x 3000 word essay (50%) and 1 x take home exam (50%).

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

What is the ultimate good in life? What attitude should we take towards the good? 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.

Textbooks

Readings available from the University Copy Centre.

PHIL 2514 Democratic Theory

8 credit points. Dr Ivison. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Assessment:** Essay and take-home exam.

A course in political philosophy. The unit will examine various theoretical and normative justifications of democracy, as well as the historical foundations of these arguments. It will also examine particular issues in democratic theory, including the apparent 'paradox of democracy' the relation between democracy and justice, the tension between democracy and constitutionalism and the challenges of social and cultural pluralism. The unit will also consider the scope and limits of democracy, including the extension of democratic norms and institutions across national boundaries through international law and multinational institutions.

PHIL 2517 Practical Ethics

8 credit points. Dr West. **Session:** Summer, Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Assessment:** 1 x 3000 word essay (50%); 1 take-home exam (50%).

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

This unit draws on contemporary moral philosophy to shed light on some of the most pressing practical, ethical questions of our time, including euthanasia, abortion, surrogacy, censorship, animal rights, genetic testing and cloning and environmental ethics. By the end of the unit, students should have a good understanding of these practical ethical issues; and, more crucially, be equipped with the conceptual resources to think through new ethical questions and dilemmas as they arise in their personal and professional lives.

Textbooks

5. Arts units of study

Readings will be available from the University Copy Centre.

PHIL 2518 Aesthetics and Art

8 credit points. Dr Macarthur. **Session:** Semester 2. **Classes:** 2 x 1hr lectures and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** 3,000 word essay and 3,000 word take home exam.

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

Why is art important? What is an aesthetic response? Is there such a thing as objective interpretation? Or is it all a matter of taste? Should we believe in "the death of the author"? What is the relation between aesthetic criticism and philosophy? We shall discuss these and other questions from the perspective of an historical approach to the philosophical study of aesthetics and art.

Textbooks

Readings include Plato, Aristotle, Hume, Kant, Tostoy, Collingwood, Danto, Fried, and Cavell. These will be made available from the University Copy Centre.

PHIL 2532 Theories of Modernity 2

8 credit points. Dr Grumley. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Assessment:** Essay and take home exam.

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

This unit continues the themes developed in Theories of Modernity 1 into the Twentieth Century. We will see how the new realities of free markets, democracy, the state and bureaucracy, individualism and cultural rationalisation presented new problems and opportunities and gave rise to new theoretical frameworks for their comprehension. The course will focus on the work of Weber, The Frankfurt School, Foucault and Habermas.

Textbooks

Readings will be available from the University Copy Centre.

PHIL 2533 Theories of Modernity 1

8 credit points. Dr Grumley. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Assessment:** One 3,000 word essay and one take-home exam (equivalent to 3,000 words).

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

A survey of a range of classical 19th century theories from the standpoint of what they offer to the understanding of the newly emerging modern bourgeois social world. The work of Hegel, Marx, de Tocqueville, and Nietzsche will serve as paradigmatic attempts to discover the essence of this new society. Recurring themes and features will be examined through the prism of these thinkers: these include the problem of meaning after the collapse of tradition, the rise of secularism, capitalism, industrialisation, democracy, bureaucratisation and individualism -- their features, antinomies and problems. The course is also intended as an introduction to the thinkers concerned while focusing in each case on their theorisation of modernity.

Textbooks

Readings available from the University Copy Centre.

PHIL 2535 Contemporary Political Philosophy

8 credit points. Professor Gatens. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 Junior credit points in Philosophy. **Assessment:** One 3000 word essay and one take-home exam equivalent to 3000 words.

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

A critical introduction to the major schools of thought in contemporary political philosophy. In the latter part of the unit of study, debates around the topic of cultural difference will be considered.

Textbooks

Kymlicka, W. Introduction to Contemporary Political Philosophy, OUP, 2nd edition. Plus reader available from the Copy Centre.

PHIL 2801 Philosophy Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior Credit Points in Philosophy.

NB: Department permission required for enrolment.

Department permission required for enrolment.

PHIL 2802 Philosophy Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 12 Junior Credit Points in Philosophy.

NB: Department permission required for enrolment.

Inquire in department

PHIL 2803 Philosophy Exchange

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

PHIL 2807 Philosophy Exchange

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

PHIL 2808 Philosophy Exchange

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

PHIL 3011 Kant

8 credit points. TBA. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 16 senior credit points in Philosophy. **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 Smith. **Session:** Semester 2. **Classes:** 2 hr lecture + 1 hr tutorial per week. **Prerequisites:** 16 Senior credit points in Philosophy. **Assessment:** essay and exam.

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

Analytic philosophy shifted the central concern of philosophy from questions of knowledge to questions of language, meaning and logic. This unit will consider writings by Moore, Russell, Frege, (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. McGuiness (Routledge, 1921/1974).

PHIL 3038 Hegel

8 credit points. TBA. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 16 Senior credit points in Philosophy. **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 3039 Hellenistic Philosophy

8 credit points. Dr Anstey. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy. **Assessment:** Essay and exam.

This course will cover the period from the death of Aristotle up to the beginnings of Christian philosophy. It is designed to give a comprehensive introduction to the philosophy of the Stoics, Epicureans and Sceptics. Approximately half the course will be devoted to questions in Hellenistic metaphysics, epistemology and logic. The other half of the course will be devoted to Hellenistic ethics and psychology.

Textbooks

A.A. Long and D.N. Sedley: The Hellenistic Philosophers, vol. 1: Translations and Commentaries (Cambridge UP). A.A. Long, Hellenistic Philosophy (Duckworth paperback).

PHIL 3212 Philosophy of Modern Physics

8 credit points. Dr Heathcote. **Session:** Semester 2. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 16 senior credit points in Philosophy. **Assessment:** Essay and take home exam.

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

In this unit we will look at quantum mechanics, through a study of its central paradoxes: the EPR situation, Schroedinger'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 3214 Philosophical Logic

8 credit points. Dr Bacon. **Session:** Semester 1. **Classes:** 2 x 1hr lecture and 1hr tutorial per week. **Prerequisites:** 12 junior credit points in Philosophy, including PHIL1012 or PHIL2203. **Assessment:** Exercises and exam.

The logic of 'the', 'exists', 'necessarily' and 'possibly'. Substitutivity and referentially opaque contexts. The status of 'possible worlds'.

Textbooks

Bacon, J. Basic Logic, vol. 2 (photocopies from teacher). Loux, M.J. The Possible and the Actual. Cornell, 1979.

PHIL 3218 Pre-Honours Seminar

8 credit points. TBA. **Session:** Semester 1. **Classes:** 2hr lecture and 1hr tutorial per week. **Prerequisites:** 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. Dr Bacon. **Session:** Semester 1, Semester 2. **Prerequisites:** 48 points of Philosophy at Senior level, with a credit average or better, and including 8 points from each of the three programs (History of Philosophy; Epistemology, Metaphysics & Logic; Moral & Political Philosophy). Intending Honours students are strongly encouraged to take the Pre-honours Seminar (PHIL3218), and to discuss their course choices with the Honours Coordinator at the beginning of their third year. The Department places importance on the breadth of the philosophical education of its Honours graduates, and encourages intending Honours students to avoid over-specialisation at Senior level.

NB: 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.

Aristotle's Ethics

Dr Benitez, Semester 1

A close study of Aristotle's Nicomachean Ethics with emphasis on Aristotle's theories of human ends, moral virtue and moral character, practical wisdom and deliberation, and intellectual contemplation. We will also examine the concept of eudaimonia, the famous doctrine of the mean, the geometry of justice, the paradoxes of akrasia and Aristotle's accounts of pleasure. Emphasis is on close study of primary texts (in translation) along with the most influential secondary literature of the past twenty years.

Time-Consciousness and Temporality

Dr Christensen, Semester 1

We shall examine Husserl's and Heidegger's accounts of time consciousness and temporality. In addition to exegesis of the relevant texts, we shall delve into the historical background of these theories; viz., accounts of the perception of time and space in previous thinkers, such as Kant, James, Stumpf and Helmholtz.

Metaphilosophy

Dr Heathcote, Semester 1

A critical examination of the methods of philosophy. We shall assess a number of argument-types for their underlying significance and strength, with a view to determining what philosophy can achieve and whether its methods are likely to help it reach those goals. In the process we shall 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.

Cosmopolitanism and Community

Dr Ivison, Semester 1

Should we think of our moral and political obligations as limited by our membership in particular communities? Should we define our conceptions of moral and political community according to particular cultural or national characteristics, or in terms of a shared common humanity? Do we have special obligations to our compatriots or general obligations to humanity as a whole? What is the relation between universal principles and local practices, and what are the

consequences for our conceptions of practical reason? We shall explore these questions, and others, through an engagement with the arguments of leading contemporary moral and political philosophers. Textbook: Readings to be distributed in class.

The Later Wittgenstein

Dr Macarthur, Semester 1

Wittgenstein's Philosophical Investigations is one of the classic works of philosophy in the twentieth century and yet, in many ways, it remains unavailable. In this course we shall provide a close reading of the text covering such topics as the referential theory of meaning, logical analysis, understanding, language, rule-following, privacy and private language, the inner and the outer, seeing and seeing-as. A central preoccupation will be to understand the power of Wittgenstein's unique conception of philosophy.

Text: Ludwig Wittgenstein, Philosophical Investigations (Oxford 1953).

Vagueness

Dr Smith, Semester 1

It would seem that the word 'tall' is vague, in that while some people are clearly tall (eg. Kareem Abdul Jabaar) and others are not (eg. Danny de Vito), there are yet other people (of middling height) of whom it is neither clearly true nor clearly false that they are tall. Nothing seems more commonplace: and yet vagueness or indeterminacy of this sort gives rise to perplexing problems in philosophy of language, metaphysics and logic. We shall first try to get a clear understanding of exactly what vagueness is. We shall then examine theories of vagueness (epistemicism, supervaluations, fuzzy logic, etc.), and try to determine which gives the best account of the phenomena. Finally we shall explore the question of whether vagueness and indeterminacy exist solely in language or also exists out there in things themselves (eg. clouds). No prior knowledge of logic will be presumed.

Textbooks

Timothy Williamson, Vagueness, Routledge

Rosanna Keefe and Peter Smith (eds.), Vagueness: A Reader, MIT Press

Locke and Natural Philosophy

Dr Anstey, Semester 2.

This unit will explore the importance and impact of John Locke's interest in and practice of natural philosophy on his major philosophical work, An Essay Concerning Human Understanding. It will examine the medical philosophy that Locke developed with Thomas Sydenham, Locke's interactions with the corpuscularianism of Boyle and the role of some of Boyle's experimental programs and the impact of Newton's Principia on later editions of the Essay. Topics discussed will include Locke's view of the prospects of scientific knowledge, the theory of qualities, the theory of space, the nature of substance and the nature of mind.

Readings will be distributed in class.

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.

Mind and World

Dr Macarthur, Semester 2

John McDowell's Mind and World is a seminal work concerning how thought can have objective content. Working to find connections across the analytic-continental divide, it covers issues of scientism, naturalism, second nature, the autonomy of rational explanation, perception, the given and intentionality. In this course we shall study this text in depth alongside crucial supplementary writings by Davidson, Evans, Wittgenstein, Sellars, Gadamer, Quine, Taylor and Rorty and the critical responses published in N. Smith (ed.) Reading McDowell.

Textbooks: John McDowell, Mind and World

N. Smith, Reading McDowell

Professional Ethics

Dr West, Semester 2

Professionals often face difficult ethical decisions, where values are uncertain or conflicting and they must decide what is the right thing to do. Using case studies drawn from a range of professional contexts, this unit will equip students with the major ethical theories, concepts and analytical tools required to respond to the ethical challenges that arise in professional practice. This unit is relevant for all students

5. Arts units of study

engaged, or planning to engage, in professional practice, including medicine, business, teaching, public service, law, and journalism.

Truth and Paradox

Dr Smith, Semester 2

'To say of what is that it is, or of what is not that it is not, is true.' So said Aristotle. Seems pretty straightforward - but on closer inspection, the notion of truth gives rise to many perplexing difficulties, one of the most notable of which is the Liar paradox (which arises when one utters something such as 'This very sentence which I am uttering right now it untrue'). We shall examine both 'philosophical' theories of truth (Tarski, Kripke, dialetheism, etc.) with the overall aim of trying to understand what truth is and how the word 'true' works. No prior knowledge of logic is presumed.

Textbooks

Readings will be available from the Department.

Useful reading

Richard Kirkham, *Theories of Truth: A Critical Introduction*, MIT Press

Simon Blackburn and Keith Simmons (eds.), *Truth*, Oxford

Robert Martin (ed.), *Recent Essays on Truth and the Liar Paradox*, Oxford

PHIL 4012 Philosophy Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** PHIL4011.

See PHIL4011

PHIL 4013 Philosophy Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** PHIL4012.

See PHIL4011

PHIL 4014 Philosophy Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** PHIL4013.

See PHIL4011.

Studies in Religion

RLST 1001 Introduction to History of Religions (A)

6 credit points. Dr Swain. **Session:** Semester 1. **Classes:** 2 lectures, 1 film hour and 1 tutorial/week. **Assessment:** One 2,500 wd essay, one tutorial presentation and one 1hr examination.

This unit of study examines the religious traditions of Oceania (especially Aboriginal Australia and Melanesia) and the East (India, China and Japan). Students specialise in traditions and themes of their own choice in writing essays.

Textbooks

Course Reader

RLST 1002 Introduction to History of Religions (B)

6 credit points. Dr. Cusack, Dr. Gardner. **Session:** Summer, Semester 2. **Classes:** one 2 hr lecture, one film hour and one 1 hr tutorial. **Assessment:** One 1 hour exam (30%), one 2500 word essay (50%) and one tutorial presentation (20%).

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 1002 Introduction to History of Religions (B)

6 credit points. Dr. Cusack, Dr. Gardner. **Session:** Summer, Semester 2. **Classes:** one 2 hr lecture, one film hour and one 1 hr tutorial. **Assessment:** One 1 hour exam (30%), one 2500 word essay (50%) and one tutorial presentation (20%).

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 1801 Religious Studies Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

Students enrolled at Sydney University who wish to take the equivalent of an 6 credit-point Junior unit of study in Studies in Religion at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department.

RLST 2001 Myth and Religion of the Germans

8 credit points. Dr Cusack. **Session:** Semester 2. **Classes:** 2 hour lecture and 1 hour tutorial/week. **Prerequisites:** 12 Junior credit points of Religion Studies, or the 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 Germanic peoples. The time frame ranges from the prehistoric site of

Jastorf (350 BCE) to the writing of the Eddas in thirteenth century Iceland. A variety of sources will be used: archaeological material; texts (both by outside observers and written from within the 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 Germanic peoples to Christianity.

RLST 2009 Buddhism

8 credit points. Dr Crangle. **Session:** Semester 1. **Classes:** one 2 hr lecture, one 1 hr tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** one 3,500 wd essay (50%), one 1,000w tutorial paper and participation (20%), one 1,500w take-home exam (30%). *NB: 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 2014 Philosophy-Religion(B) - Reason & Belief

8 credit points. Professor Trompf. **Session:** Semester 1. **Classes:** one 2 hr lecture, one 1 hr tutorial/week. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** two 3,000 wd essays. Since the late 19th century, discussion within the philosophy of religion has shifted from the traditional arguments for God's existence to a broader set of themes concerning the relations of reason and faith. In this course, we will critically examine a range of philosophical approaches that are responsible for this shift, analysing how philosophers such as Kierkegaard, Nietzsche and Wittgenstein have understood these two concepts and the relations between them. We will ask: what is reason and what is its status? Is it sovereign or is faith autonomous from reason? Can they coexist or do they pose a threat to each other?

RLST 2017 Australian Aboriginal Religions

8 credit points. Dr Swain. **Session:** Semester 2. **Classes:** one 2 hour lecture, one 1 hour tutorial/week. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** one 3,500 wd essay (65%) one 1,500 wd tutorial paper (35%).

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

Underlying principles and change are equally emphasised in this course which provides a broad-ranging introduction to Australian Aboriginal religions. Basic understanding of land and spirit as well as maintenance of cosmos and life are initially discussed. Secondly, the impact the various kinds of 'outsiders' had on Aboriginal beliefs and practices is examined. An overview of Aboriginal religious life on missions and in rural and urban environments concludes the unit of study.

Textbooks

Course Reader

RLST 2020 Contemporary Religion and Politics

8 credit points. Professor Trompf. **Session:** Semester 2. **Classes:** one 2 hour lecture and one 1hr tutorial. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **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 2021 Issues in Religion and World History

8 credit points. Professor Trompf. **Session:** Semester 1. **Classes:** One 2 hr lecture and one 1 hr tutorial/week. **AssumedKnowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** Two 2,500w assignments/essays or one 5000w essay.

A unit of study concentrating on select philosophies of time, cosmic cycles and history. The orientation is cross-cultural, but with most time spent on debates over Western cosmologies and macrohistories

Textbooks

Eliade, M. *Cosmos and History*

Trompf, G.W. *The Idea of Historical Recurrence in Western Thought*

RLST 2022 Chinese Religions

8 credit points. Dr Swain. **Session:** Semester 1. **Classes:** one 2 hr lecture, one 1 hr tutorial/week. **Assumed Knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** One 3,000 wd essay (50%), tutorial participation and presentation (20%), take-home exam (30%).

This course is a general historical and phenomenological introduction to religious life in China. It spans from pre-dynastic China to the present day and examines the religious elements of domains as diverse as agriculture and art, elite society and popular ritual, philosophy and divination, empire and rebellion. It follows the development of the indigenous Confucian and Taoist traditions while also observing the introduced religions which include Buddhism, Christianity and Islam.

RLST 2024 The Birth of Christianity

8 credit points. Dr Gardner. **Session:** Semester 2. **Classes:** One 2 hr lecture, one 1 hr tutorial/week. **Assumed Knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. **Assessment:** two 2,000 wd essays, tutorial paper and participation.

Christianity can claim to be the most successful of the world's religions, despite its apparently inauspicious beginnings. This unit will discuss textual, archaeological and socio-cultural evidence for its origins; with a particular purpose to analyse how cults centred on the charismatic figure of Jesus of Nazareth led to the construction of such a powerful religious tradition. Tensions within that emergent tradition will be considered, and especially its struggle towards self-identity with reference to both Judaism and the Graeco-Roman world.

RLST 2025 Religion and the Arts

8 credit points. Dr T Swain. **Session:** Semester 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 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 2027 Religion in Multicultural Australia

8 credit points. Dr Cusack and others. **Session:** Semester 1. **Classes:** one 2 hr lecture, one 1 hr tutorial/week. **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%).

NB: 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 (e.g., 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 Hartney. **Session:** Summer. **Classes:** one 2hr lecture, one 1hr tutorial. **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 (e.g. 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:** Semester 1, Semester 2. *NB: 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:** Semester 1, Semester 2. *NB: 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:** Semester 1, Semester 2. *NB: 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:** Semester 1, Semester 2. *NB: 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:** Semester 1, Semester 2. *NB: 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:** Semester 1, Semester 2. **Classes:** 2hr seminar. **Prerequisites:** Credit average in 32 senior credit points of Studies in Religion. **Assessment:** Thesis of 12000-15000 words (= 50% total); Honours seminar (= 30%); one 6000 level class each semester (= 20%).

NB: Department permission required for enrolment.

The Honours program has the following constituent elements:

Thesis of 12,000 - 15,000 words;

One 6000 level class each semester (see department for a list of units of study).

Seminar during February semester: "Problems of Method in the Study of Religion".

RLST 4012 Religious Studies Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** RLST4011. Refer to RLST 4011

RLST 4013 Religious Studies Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** RLST4012. Refer to RLST 4011

RLST 4014 Religious Studies Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** RLST4013. Refer to RLST 4011

Sanskrit

SANS 1001 Sanskrit Introductory 1

6 credit points. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 3 hrs/week. **Assessment:** classwork and examination.

This unit provides an introduction to Sanskrit. It is intended for students who have little or no previous knowledge of the language. Emphasis will be given to understanding the basic grammatical structures and the Devanagari script. Pronunciation will be given attention. There will be exercises in translation from Sanskrit to English and English to Sanskrit. 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:** Semester 2. **Classes:** 3hrs/week. **Prerequisites:** SANS 1001. **Assessment:** Classwork and examination.

This unit is an extension of work done in SANS 1001. By the end of the unit students will have covered the grammar necessary for reading simple Sanskrit texts.

SANS 2001 Sanskrit Intermediate 1

8 credit points. Dr Oldmeadow. **Session:** Semester 1. **Classes:** 3hrs/week. **Prerequisites:** SANS 1002. **Assessment:** Classwork and examination.

5. Arts units of study

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:** Semester 2. **Classes:** 3hrs/week. **Prerequisites:** 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:** Semester 1. **Prerequisites:** Credit result in SANS 1002. **Corequisites:** 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:** Semester 2. **Prerequisites:** SANS 2901. Credit result in SANS 2001. **Corequisites:** 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:** Semester 1. **Classes:** 3hrs/week. **Prerequisites:** 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:** Semester 2. **Classes:** 3hrs/week. **Prerequisites:** 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:** Semester 1. **Prerequisites:** Credit result in SANS 2002, SANS 2901, SANS 2902. **Corequisites:** 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:** Semester 2. **Prerequisites:** SANS 3901. Credit result in SANS 3001. **Corequisites:** 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:** Semester 1, Semester 2. **Prerequisites:** Credit results in SANS 2901, SANS 2902, SANS 3901, SANS 3902.

NB: Department permission required for enrolment.

Honours IV in Sanskrit comprises three components:

1. Old and Middle Indo-Aryan Language Study, involving elements from the Sanskrit 2900 and 3900 units and Sanskrit 3000 units arranged in consultation with the Department. Assessment will involve two three-hour examinations.

2. Research methodology in Indology and related disciplines. This will involve independent reading, discussion with research supervisor and attendance at seminars and lectures as arranged in consultation with the Department. Assessment will involve two essays of approximately 3000 words.

3. A thesis of approximately 15,000 words to be presented at the end of second semester on a research topic chosen in consultation with the Department.

SANS 4002 Sanskrit IV Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** SANS4001.

SANS 4003 Sanskrit IV Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** SANS4002.

SANS 4004 Sanskrit IV Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** SANS4003.

Social Policy

SCPL 3001 Australian Social Policy

8 credit points. Professor Bettina Cass. **Session:** Semester 1. **Classes:** one lecture and one 2hr tutorial/week. **Prerequisites:** SCLG1001 & SCLG1002. **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.

Textbooks

Readings will be available.

SCPL 3002 Contesting Social Policies

8 credit points. Dr Alec Pemberton. **Session:** Semester 2. **Classes:** one lecture and one 2hr tutorial/week. **Prerequisites:** SCLG1001 & SCLG1002. **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.

Textbooks

Readings will be available

Social Sciences

SSCI 1003 Exploring the Social Sciences

6 credit points. Dr Jennifer Wilkinson. **Session:** Semester 1. **Classes:** one 1 hr lecture and one 2 hr tutorial per week. **Assessment:** 4,500 words or equivalent to include classwork (20%), 2,000 word essay (40%) and 2,000 word take-home exam (40%).

NB: Bachelor of Social Sciences only

This unit is a core introductory theory unit for the Bachelor of Social Sciences. This unit of study explores the nature of the social sciences and how knowledge within the social sciences is produced. It investigates the relationship of the social sciences to other types of knowledge like the humanities and the natural sciences. It looks at the historical and social contexts in which the social sciences are produced and it explores how various social changes have influenced social scientific knowledge in contemporary settings.

SSCI 2001 Social, Political and Economic Thought 1

8 credit points. Dr Jennifer Wilkinson. **Session:** Semester 1. **Classes:** 1 hr lecture and 2hr tutorial per week. **Assessment:** 6,000 words or equivalent to include: essay of 3,000 words (50%); take home exam of 2,000 words and class work (20%).

NB: Department permission required for enrolment. N.B. BA (Social Sciences) only

This is a core theory unit for the Bachelor of Social Sciences. The unit explores the theme of the social sciences and society by critically examining debates across the social sciences about the development of modernity in the arenas of society, politics and economics. Attempts will be made to highlight the historical context in which forms of social and political and economic thought developed. This unit will also examine the significance of key debates about post modernity, globalisation and difference in transforming the world context in which social sciences are practised today and their implications for changes within the social sciences. In keeping with current debates about the nature of social sciences theory and the changing status of rationality, a key concern of this unit is to give students an understanding of the social sciences as theories embedded in society.

Textbooks

Readings will be available

SSCI 2002 Social, Political and Economic Thought 2

8 credit points. Dr Jennifer Wilkinson. **Session:** Semester 2. **Classes:** one 1 hr lecture and one 2 hr tutorial per week. **Prerequisites:** (SSCI1003 and SSCI2001) or SSCI11001 or students who enrolled in SSCI2001 prior to 2005. **Assessment:** 6,000 words or equivalent to include essay 3,000 words (50%), take home exam 2,000 words (30%) and class work (20%).

NB: Bachelor of Social Sciences only

This unit is a core unit for the Bachelor of Social Sciences, following on from Social, Political and Economic Thought 1. The unit explores the theme of the social sciences, humanity and ethics through an examination of central debates about democracy, justice, social welfare, social inclusion, human rights, shame, public goods, human capabilities, social capital, civility, tolerance and care. In contrast with traditional conceptions of the social sciences as 'objective and value neutral', a key concern of this unit is to provide an understanding of the context of human relations and moral problems in which the social sciences are practised in contemporary settings. Thus, wherever possible, the treatment of theories is examined in the context of real case studies of social science in practice.

Textbooks

Readings will be available

SSCI 3001 Social Sciences Internship

16 credit points. Dr. Jennifer Wilkinson. **Session:** Semester 1, Semester 2. **Classes:** Minimum 210 hours of monitored work place experience, plus supervisory consultations. **Prerequisites:** SSCI1003 or SSCI2001, SSCI2002, STAT1021. **Assessment:** This will be determined on the basis of meeting the requirements or failing to meet the requirements of the course. In order to meet these requirements, you need to attend the internship and receive a satisfactory report by your internship supervisor within your placement.

NB: Bachelor of Social Sciences only

The internship provides an opportunity for students to gain practical experience in a professional setting as part of their academic training. Students undertake a minimum of 30 working days in a social sciences environment, from 3 to 5 days per week. They will be assisted and supervised by both the workplace and the department. Placements may include government departments, non-governmental organizations, community organizations, corporations, private consultancies, etc.

SSCI 3002 Internship Research Paper

8 credit points. Dr. Jennifer Wilkinson. **Session:** Semester 1, Semester 2. **Classes:** Independent research with compulsory supervisory consultations. **Prerequisites:** SSCI1003 or SSCI2001, SSCI2002. **Corequisites:** SSCI3001. **Assessment:** 3,000 words research report (50%), 3,000 words research essay (50%).

NB: Bachelor of Social Sciences only

The Internship Research Paper provides an opportunity for students to reflect on their research experiences during the internship in a social sciences environment (SSCI3001). Students will keep a reflective journal about their research experiences during the internship, which will form the basis of a research report to be submitted for assessment. Students, in consultation with a supervisor from the Bachelor of Social Sciences program, will formulate a topic for their 3000 word research essay which should demonstrate the ability to reflect critically on the relation between their practical experience in their particular placement and social science theory more generally.

Sociology**SCLG 1001 Introduction to Sociology 1**

6 credit points. Dr. Catriona Elder. **Session:** Semester 1. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one exam (40%) and other work as assigned by coordinator (20%).

This unit introduces students to the study of sociology through an analysis of contemporary Australian society. Using a range of sociological concepts and theories, we will analyse society in the period known as 'modernity'. Students will be encouraged to analyse existing social phenomena through the prisms of gender, sexuality, ethnicity, multiculturalism and Indigeneity.

Textbooks

Readings will be available.

SCLG 1002 Introduction to Sociology 2

6 credit points. Dr. Catriona Elder. **Session:** Semester 2. **Classes:** two 1 hr lectures and one 1 hr tutorial/week. **Assessment:** One essay (40%), one exam (40%) and other work as assigned by coordinator (20%).

Students will continue to be introduced to sociology through the analysis of contemporary society. Through a focus on the sociology of everyday life, we will explore the relationships between various social and cultural forms, institutional sites and the practices of everyday life. Topics such as fame and celebrity, fashion and consumption, globalization community and belonging will be explored.

Textbooks

Readings will be available.

SCLG 1801 Sociology Exchange

6 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

SCLG 2501 Contemporary Cultural Issues

8 credit points. Dr. Annette Falahey. **Session:** Semester 2. **Classes:** one 1 hr lecture/week plus 2 hr seminars per week. **Prerequisites:** 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. TBA. **Session:** Semester 2. **Classes:** 3 hrs/week. **Prerequisites:** 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, i.e.,

the social shaping of science and technology, and the impact of science and technology on society. Issues to be examined include the social production of science and technology, the science-technology relationship, the politics and economics of science and technology, science and technology in medicine, in reproduction, in the workplace, and the role of science and technology in environmentalism and the environmental movement.

SCLG 2509 Comparative Sociology of Welfare States

8 credit points. Professor Bettina Cass. **Session:** Semester 2. **Classes:** 2 hr lecture plus 1 hr seminar/week. **Prerequisites:** SCLG1001 and SCLG1002. **Assessment:** One 3,000 word essay (50%), one 2,000 word seminar paper (40%), seminar presentation (10%).

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

Contemporary developments and debates concerning welfare in Australia are put into a new perspective when considered in comparison with welfare states throughout the world. In this unit of study, students will have the opportunity to compare Australian welfare arrangements and social policies with those in other industrialised countries. How do other countries conceptualise and make arrangements for people who are unemployed, or pregnant or sick, or old? What are the principles that underpin these arrangements and how can we account for the differences between countries?

The unit will focus on social policies concerned with health, employment and unemployment, work and family, disability, ageing and childhood. Students will develop comparative analyses with both Western industrialised welfare states and the emerging Asian welfare states. In addition to developing knowledge of particular social policies in particular countries, students will explore the theoretical frameworks that have underpinned comparative welfare state analysis. They will also have the opportunity to interrogate the dominant discourses that have informed social policy development including those concerning rights, citizenship, obligations, reciprocity and social capital.

SCLG 2510 Self and Society

8 credit points. Associate Professor Joanne Finkelstein. **Session:** Semester 2. **Classes:** one 1 hr lecture and one 2 hr seminar/week. **Prerequisites:** 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:** Semester 1. **Classes:** one 2 hr lecture and one 1 hr tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002. **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:** Semester 2. **Classes:** three hrs/week consisting of one lecture plus one tutorial. **Prerequisites:** SCLG 1001 and SCLG 1002 or SCWK2003. **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 methodolo-

5. Arts units of study

gical 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. Dr Amanda Elliot. **Session:** Semester 2. **Classes:** 3 hrs/week. **Prerequisites:** 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. **Session:** Semester 1. **Classes:** three hrs/week. **Prerequisites:** SCLG 1001 and SCLG 1002. **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 - e.g. 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:** Semester 2. **Classes:** three hrs/week. **Prerequisites:** SCLG 1001 and SCLG 1002. **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:** Semester 1. **Classes:** one 2 hr lecture and one 1 hr tutorial per week. **Prerequisites:** SCLG1001 & SCLG1002. **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. TBA. **Session:** Semester 1. **Classes:** 3 hrs per week. **Prerequisites:** SCLG 1001 and SCLG 1002. **Assessment:** 3,000 word essay (50%), take-home exam (40%), classwork (10%).

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

This unit examines sociological approaches to social inequality. Questions about social inequality are integral to contemporary notions of equality, citizenship, human rights, social justice and emancipation.

A central theme of the unit (and a central preoccupation of sociologists) is ways in which social relations of inequality are shaped, represented, experienced, negotiated and challenged in everyday life. Some important questions for this unit are: How do sociologists understand and explain patterns of inequality? What are the enabling and constraining factors shaping people's 'life chances'? How are social relations of inequality, experienced, challenged and disrupted? Is social inequality an inevitable condition of human existence?

SCLG 2535 Law and Social Theory

8 credit points. Associate Professor Robert van Krieken. **Session:** Semester 2. **Classes:** 2 hrs lecture and 1 hr tutorial per week. **Prerequisites:** SCLG1001 and SCLG1002. **Assessment:** Tutorial participation (10%), 3,500 word essay (50%), 2,000 word take-home exam (40%).

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

This unit provides a detailed 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:** Semester 1. **Classes:** 3 hrs/week. **Prerequisites:** SCLG1001 and SCLG1002. **Assessment:** 6,000 words or equivalent written assignment and take-home exam (70%), classwork (30%).

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

This unit of study examines the operation of legal thought, practices and institutions in Australian social life. Specific topics will include sociological analysis of legal reasoning, the role of law in relations between Indigenous and non-Indigenous Australians, crime and punishment, law's contributions to both stability and social change, law and the media, the legal construction of family life, the ethnography of the courtroom, informal legal processes, the High Court and politics, law and governance, and the differentiated nature of 'the field of law'.

SCLG 2537 Media in Contemporary Society

8 credit points. Dr Annette Falahey. **Session:** Semester 2. **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. **Prerequisites:** SCLG1001 and SCLG1002. **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 programmes and advertising, all of which are considered in relation to media audiences. We will consider the research literature on the sociology of media in order to investigate methods of carrying out media research, particularly of media audience research. The aim is to encourage students to develop an informed understanding of media, including their own engagement with media in contemporary society, and to explore computer based technology as an educational tool for studying Media in Contemporary Society.

SCLG 2566 Violence, Imaginaries and Symbolic Power

8 credit points. Dr Craig Browne. **Session:** Semester 1. **Classes:** one 2 hr lecture and one 1 hr tutorial per week. **Prerequisites:** SCLG1001 and SCLG1002. **Assessment:** 3,000 word essay (50%), 1,000 word tutorial paper (20%), 2 hours of formal exams (30%).

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

This unit examines the operation of symbolic power and diverse social manifestations of violence, from revolution through to eroticism. Of particular interest are social imaginaries and the way collective representations embody social creativity, legitimate social structures and inform projects of violent social reconstruction, including war, terrorism, nationalism and genocide. Social imaginaries are constitutive of nationalist visions of self-determining communit-

ies, capitalist wealth and social utopias. Different modes of critical analysis are introduced, like critical social theory, discourse analysis, and psychoanalysis.

SCLG 2570 Social Movements and Policy Making

8 credit points. Dr Amanda Elliot. **Session:** Semester 1. **Classes:** one 2 hr lecture and one 1 hr tutorial per week. **Prerequisites:** SCLG1001 and SCLG1002. **Assessment:** 2,000 word seminar paper (40%), 3,000 word essay (50%), seminar presentation (10%). Drawing on contemporary sociological analysis regarding the intersections between policy-making, social movements and democracy this unit critically explores the practices and processes through which policies emerge. The unit examines the changing role of government and civil society and considers the implications of change for policy-making. Students will have the opportunity to explore the theoretical ideas introduced in this unit by investigating a range of social movements, such as anti-global capitalism, environmental, Aboriginal and feminist movements, and policy responses to them.

SCLG 2801 Sociology Exchange

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

SCLG 2802 Sociology Exchange

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

SCLG 2803 Sociology Exchange

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

SCLG 2804 Sociology Exchange

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

SCLG 2807 Sociology Exchange

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

SCLG 2808 Sociology Exchange

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

SCLG 3002 Contemporary Sociological Theory

8 credit points. TBA. **Session:** Semester 1. **Classes:** one 3hr seminar/week. **Prerequisites:** SCLG 1001 and SCLG 1002. **Assessment:** 6,000 words or equivalent essay (70%), classwork (30%).
NB: This Unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

This unit provides a detailed 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:** Semester 2. **Classes:** three hrs/week. **Prerequisites:** 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. It will also examine the social and logical links between theory, method, data and analysis. In the seminars we will critically examine the work of other researchers to identify the strengths and weaknesses of their approaches. For assessment, students will select a topic of their own choosing and develop a theoretically informed research proposal. This unit assumes a basic knowledge of social research methods.

Textbooks
TBA

SCLG 4011 Sociology Honours A

12 credit points. TBA. **Session:** Semester 1, Semester 2. **Prerequisites:** Credit average in 32 credit points of Senior level Sociology.
NB: Department permission required for enrolment.
Consult Department for unit description.

SCLG 4012 Sociology Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** SCLG4011.
Consult Department for unit description.

SCLG 4013 Sociology Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** SCLG4012.
Refer to SCLG 4011.

SCLG 4014 Sociology Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** SCLG4013.
Refer to SCLG 4011.

Spanish

SPAN 1001 Introductory Spanish 1

6 credit points. Dr. Modesto. **Session:** Summer, Semester 1. **Classes:** 1 lecture, 4 tutorials, 1 hour language laboratory (self-instruction). **Assessment:** Five 1-hour tests/sem, assignments, oral work.

For students who have little or no knowledge of Spanish, Introductory Spanish 1 provides a sound basis of spoken and written Spanish and introduces the history and culture of Spain and Latin America.

Textbooks

Es Español 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 1001 Introductory Spanish 1

6 credit points. Dr. Modesto. **Session:** Summer, Semester 1. **Classes:** 1 lecture, 4 tutorials, 1 hour language laboratory (self-instruction). **Assessment:** Five 1-hour tests/sem, assignments, oral work.

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Es Español 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 Newbiggin. **Session:** Semester 2. **Classes:** 1 lecture, 4 tutorials per week, 1 hour language laboratory (self-instruction). **Prerequisites:** SPAN 1001. **Assessment:** Five 1-hour tests/sem, assignments, oral work.

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.

Builds on SPAN 1001 Introductory Spanish 1.

Textbooks

Es Español 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 1801 Spanish Exchange

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

SPAN 1802 Spanish Exchange

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

SPAN 2001 Intermediate Spanish 1

8 credit points. Dr. Modesto. **Session:** Semester 1. **Classes:** 2-hour audiovisual tutorial, 2-hour grammar and reading tutorial, 2-hour lecture. **Prerequisites:** SPAN 1002. **Assessment:** Five 1-hour tests/sem, essays, oral work.

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.

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

Funegra, SPAN 2001 (from University Copy Centre)

SPAN 2002 Intermediate Spanish 2

8 credit points. Professor Newbiggin. **Session:** Semester 2. **Classes:** 2-hour audiovisual tutorial, 2-hour grammar and reading tutorial, 2-hour lecture. **Prerequisites:** SPAN 2001. **Assessment:** Four 1hr tests/sem, essays, oral work.

Continues from SPAN 2001.

Textbooks

5. Arts units of study

Funegra, SPAN 2002 (from University Copy Centre)

SPAN 3801 Spanish Exchange

8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

SPAN 3802 Spanish Exchange

8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

SPAN 3803 Spanish Exchange

8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

SPAN 3806 Spanish Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

SPAN 3807 Spanish Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

SPAN 3808 Spanish Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

SPAN 3809 Spanish Exchange

4 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.
Department Permission is required for enrolment

Thai (may not be offered after 2005)

THAI 1101 Thai Introductory Spoken 1

6 credit points. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 4 hours per week. **Assessment:** Assignments equivalent to 1000 words (10%); two short quizzes (10%); two 90-minute exams (40%); one oral test (30%); classwork (10%).

NB: It is recommended that beginning students take THAI 1101 plus THAI 1103 in First Semester, then THAI 1102 plus THAI 1104 in Second Semester

Intended for students who have little or no previous knowledge of Thai, this unit of study provides an introduction to spoken Thai, with emphasis on speaking and listening skills that will enable students to communicate in Thai in everyday situations. Pronunciation practice 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 (University Copy Centre) plus two tapes.

Online materials are available or can be ordered and purchased from the University Copy Centre.

THAI 1102 Thai Introductory Spoken 2

6 credit points. Ms Jiraratwatana. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** Thai 1101 or proficiency in spoken Thai equivalent to that attained in Thai 1101. **Assessment:** Assignments equivalent to 1000 words (10%); two short quizzes (10%); two 90-minute exams (40%); one oral test (30%); classwork (10%).

NB: It is recommended that beginning students take THAI 1102 plus THAI 1104 in Second Semester.

Continuation and extension of work done in THAI 1101.

Textbooks

P. Juntanamalaga and T. Diller, Beginning Thai (ANU) plus two tapes.

N. Jiraratwatana, Thai Language Express (University Copy Centre) plus two tapes.

Online materials are available or can be ordered and purchased from the University Copy Centre.

THAI 1103 Thai Introductory Written 1

3 credit points. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 2 hours per week. **Assumed Knowledge:** Proficiency in spoken Thai equivalent to that attained in THAI 1101 or 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 1101 or 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:** Semester 2. **Classes:** 2 hours per week. **Assumed Knowledge:** Proficiency in spoken Thai equivalent to that attained in THAI 1102 or THAI 1106, plus limited knowledge of written Thai. **Prerequisites:** THAI 1103 or THAI 1105 or department permission. **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 2101 Thai Intermediate 1

8 credit points. Ms Jiraratwatana. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** 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:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** 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:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** 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:** Semester 2. **Classes:** 4 hrs/week. **Prerequisites:** 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:** Semester 1. **Classes:** 4 hours per week. **Assessment:** Continuous assessment, one exam.

In YDDH1101, students will be introduced to Yiddish through a study of its grammar, as well as exercises in conversation and reading. No previous knowledge is necessary.

YDDH 1102 Yiddish B2

6 credit points. **Session:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** YDDH 1101. **Assessment:** Continuous assessment, one exam.

YDDH1102 is a continuation of YDDH1101. This unit of study will strengthen the student's understanding of Yiddish grammar and vocabulary, through conversation and reading.

YDDH 2103 Yiddish B3

8 credit points. **Session:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** YDDH 1102. **Assessment:** One exam; continuous assessment.

YDDH2103 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:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** YDDH 2103. **Assessment:** One exam; continuous assessment.

As with YDDH2103, 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:** Semester 1. **Classes:** 4 hours per week. **Prerequisites:** YDDH 2104. **Assessment:** One exam; continuous assessment.

Students will further language skills obtained in YDDH2104 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:** Semester 2. **Classes:** 4 hours per week. **Prerequisites:** 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.

Arts units - Table A

Unit of Study		CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites N: Prohibition	Session
Aboriginal Studies				
HSTY 1044	Twentieth Century Politics and Culture	6	N HSTY1043	Semester 2, S2 Late Int
HSTY 1051	Twentieth Century Aboriginal History	6		S2 Late Int
HSTY 2014	Australian Social History 1919-1998	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Summer, S1 Late Int
HSTY 2042	Indigenous Experiences of Decolonisation	8		S1 Late Int
KOCR 2100	Indigenous Australia	8	P 18 Junior credit points	Summer, Semester 1, Semester 2
KOCR 2100	Indigenous Australia	8	P 18 Junior credit points	Summer, Semester 1, Semester 2
KOCR 2100	Indigenous Australia	8	P 18 Junior credit points	Summer, Semester 1, Semester 2
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.	Semester 2, S1 Late Int
KOCR 2102	Indigenous Australia: Policy and Power	8	P KOCR 2100 NB: B.A and B.Educ students in Semester 2.	Semester 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.	Semester 1, S2 Late Int
Ancient History				
ANHS 1003	Foundations for Ancient History: Greece	6		Semester 1
ANHS 1004	Power and Persuasion: Near East and Rome	6		Semester 2
ANHS 1801	Ancient History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 2001	Roman Imperialism: A Special Case?	8	P 12 junior cp of ANHS or HSTY or ECHS or ANHS/CLCV	Semester 2
ANHS 2006	The World Alexander Made	8	P 12 Junior credit points of Ancient History or History or Economic History or 12 Credit Points of Ancient History/Classical Civilisation NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ANHS 2007	Rome 90 BC-AD 14: Making a World City	8	P 12 Junior credit points of Ancient History or History or Economic History or 12 Credit Points of Ancient History/Classical Civilisation NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer, Semester 1
ANHS 2801	Ancient History Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 2802	Ancient History Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Arts units of study

ANHS 2803	Ancient History Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 2807	Ancient History Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 2808	Ancient History Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 2901	Ancient Historians Rethink History I	4	P Credit average 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.	Semester 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.	Semester 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.	Semester 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.	Semester 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.	Semester 2
ANHS 3906	Aliens Bearing Gifts: Greeks and Others	4	P Credit result in 24 Senior credit points of Ancient History or History including ANHS2901 & 2902 or HSTY 2901 & 2902.	Semester 2
ANHS 3908	The Nobility of the Later Roman Republic	4	P Credit average in 24 senior cp of ANHS or HSTY including ANHS 2901 & 2902 or HSTY 2901 & 2902	Semester 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.	Semester 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.	Semester 2
ANHS 3923	Akkadian Language I	4	P HBRW 1011 and 1012, ARBC 1101 and 1102 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.	Semester 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.	Semester 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.	Semester 2
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. NB: Department permission required for enrolment.	Semester 1, Semester 2
ANHS 4012	Ancient History Honours B	12	P Refer to ANHS 4011 C ANHS4011.	Semester 1, Semester 2
ANHS 4013	Ancient History Honours C	12	P Refer to ANHS 4011 C ANHS4012.	Semester 1, Semester 2
ANHS 4014	Ancient History Honours D	12	P Refer to ANHS 4011 C ANHS4013.	Semester 1, Semester 2

Anthropology				
ANTH 1001	Anthropology and Cultural Difference	6	N ANTH 1003	Summer, Semester 1
ANTH 1002	Globalisation and Experience	6	N ANTH 1004.	Semester 2
ANTH 1801	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 1802	Social Anthropology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2001	Ethnography of Mainland South-east Asia	8	P 12 Junior credit points of Anthropology	Semester 2
ANTH 2006	Chinese Modernity: The Unfinished Project	8	P 12 Junior credit points of Anthropology	Semester 2
ANTH 2007	Ritual and Festivity in Brazil	8	P 12 Junior credit points of Anthropology	Semester 2
ANTH 2019	Chinese in Southeast Asia	8	P 12 Junior credit points of Anthropology	Semester 1
ANTH 2021	Initiation Rituals	8	P 12 Junior credit points of Anthropology	Semester 2
ANTH 2022	Ethnographic Film	8	P 12 Junior credit points of Anthropology N ANTH2106	Summer, Semester 1
ANTH 2023	Gender: Anthropological Studies	8	P 12 junior credit points of Anthropology N ANTH2020 Studies in Melanesian Gender	Semester 1
ANTH 2025	Aboriginal Australia: Cultural Journeys	8	P 12 Junior credit points of Anthropology N ANTH2010	Semester 1
ANTH 2026	Urban Anthropology	8	P 12 Junior credit points of Anthropology	Semester 2
ANTH 2112	Australia-Pacific: Indigenous Worlds	8	P 18 Junior credit points.	Semester 2
ANTH 2121	Migration and Migrant Cultures	8	P 12 Credit points of Junior Anthropology units N ANTH2120	Semester 1
ANTH 2801	Social Anthropology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2802	Social Anthropology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2803	Social Anthropology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2807	Social Anthropology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 2808	Social Anthropology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 3835	Reading Aboriginal Ethnographies	4	P 16 credit points of senior Anthropology completed at credit level or above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ANTH 3907	Southeast Asia: Exemplary Studies	4	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ANTH 3912	Embodiment	4	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ANTH 3916	Consumption and Pleasure	4	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ANTH 3921	Advanced Anthropology 1	4	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ANTH 3922	Advanced Anthropology 2	4	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

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ANTH 3951	Reading Melanesian Ethnography	4	P 16 Credit Points of Senior Anthropology completed at Credit Level or Above NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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. NB: Department permission required for enrolment.	Semester 1, Semester 2
ANTH 4012	Social Anthropology Honours B	12	C ANTH4011	Semester 1, Semester 2
ANTH 4013	Social Anthropology Honours C	12	C ANTH4012	Semester 1, Semester 2
ANTH 4014	Social Anthropology Honours D	12	C ANTH4013	Semester 1, Semester 2
Arabic Language and Literature				
ARBC 1101	Introductory Arabic 1 B1	6	N ARBC1311, ARBC1312	Semester 1
ARBC 1102	Introductory Arabic 2 B2	6	P ARBC 1101 (or equivalent). N ARBC1311, ARBC1312	Semester 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.	Semester 1
ARBC 1312	Advanced Arabic Language & Literature A2	6	P ARBC 1311. N ARBC 1101, ARBC 1102.	Semester 2
ARBC 2103	Arabic Language and Literature B3	8	P ARBC 1102 (or equivalent).	Semester 1
ARBC 2104	Arabic Language and Literature B4	8	P ARBC 2103 (or equivalent).	Semester 2
ARBC 2105	Arabic Language and Literature B5	8	P ARBC 2104 (or equivalent).	Semester 1
ARBC 2106	Arabic Language and Literature B6	8	P ARBC 2105 (or equivalent).	Semester 2
ARBC 2313	Arabic/English Translation	8	P ARBC1312 N ARBC 2103 & ARBC 2104	Semester 1
ARBC 2314	Arabic/English Translation 2	8	P ARBC2313 N ARBC 2103 & ARBC 2104	Semester 2
ARBC 2315	Advanced Arabic/English Translation	8	P ARBC3101 N ARBC 2105 & ARBC 2106	Semester 1
ARBC 2316	Advanced Arabic/English Translation 2	8	P ARBC 2315 N ARBC 2105 & ARBC 2106	Semester 2
ARBC 2801	Arabic Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 2802	Arabic Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 2803	Arabic Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 2804	Arabic Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 4011	Arabic Honours A	12	P Students should have a credit average in 32 Senior credit points of ARBC and at least 16 Senior credit points in ARIS to be admitted to Arabic Honours. Department permission is required for enrolment. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARBC 4012	Arabic Honours B	12	C ARBC4011	Semester 1, Semester 2
ARBC 4013	Arabic Honours C	12	C ARBC4012	Semester 1, Semester 2
ARBC 4014	Arabic Honours D	12	C ARBC4013	Semester 1, Semester 2
Arab World, Islam and the Middle East				
ARIS 1001	Arab World, Islam and the Middle East 1	6		Semester 1
ARIS 1002	Arab World, Islam and the Middle East 2	6	P ARIS 1001	Semester 2
ARIS 2003	Islam in World History	8	P ARIS 1002 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ARIS 2004	Islam in the Modern World	8	P ARIS 1002 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

ARIS 4011	Arabic and Islamic Studies Honours A	12		P Students should have Credit average in at least 32 Senior credit points of ARIS, and at least 16 Senior credit points in ARBC to be admitted to Arabic and Islamic Studies Honours. Department permission is required for enrolment NB: Department permission required for enrolment.	Semester 1, Semester 2
ARIS 4012	Arabic and Islamic Studies Honours B	12	C ARIS4011		Semester 1, Semester 2
ARIS 4013	Arabic and Islamic Studies Honours C	12	C ARIS4012		Semester 1, Semester 2
ARIS 4014	Arabic and Islamic Studies Honours D	12	C ARIS4013		Semester 1, Semester 2
Archaeology (Classical)					
ARCL 1001	Art & Archaeology of the Classical World	6			Semester 2
ARCL 1801	Archaeology (Classical) Exchange	6		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2001	The World of Classical Athens	8		P ARCL1001 plus 6 Junior credit points of Archaeology or Classical Civilization or Ancient History	Semester 2
ARCL 2002	Greek Cities and Sanctuaries	8		P 12 Junior credit points of Archaeology or Classical Civilization/Classical Studies or Ancient History	Semester 1
ARCL 2801	Archaeology (Classical) Exchange	8		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2802	Archaeology (Classical) Exchange	8		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2803	Archaeology (Classical) Exchange	8		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2807	Archaeology (Classical) Exchange	4		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2808	Archaeology (Classical) Exchange	4		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 2900	Special Topics on Classical Athens	8		P Credit result in ARCL1001 C ARCL2001 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARCL 3001	Archaeology of Pre-Roman Italy	8		P 8 Senior credit points of Archaeology (Classical)	Semester 1
ARCL 3901	Research Issues in Classical Archaeology	8		P Credit result in ARCL 2900 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARCL 4011	Archaeology (Classical) Honours A	12		P (a)Credit results in 24 Senior credit points of Archaeology (Classical). (b) In addition, 48 credit points from one or more of the following: Archaeology (Near Eastern and/or Prehistoric and Historical), Classical Civilization, Greek, Latin, Greek and Roman Literature, Art History and Theory, Ancient History. (c) HSC 2-unit (or equivalent) in an approved language. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARCL 4012	Archaeology (Classical) Honours B	12	C ARCL4011		Semester 1, Semester 2
ARCL 4013	Archaeology (Classical) Honours C	12	C ARCL4012		Semester 1, Semester 2
ARCL 4014	Archaeology (Classical) Honours D	12	C ARCL4013		Semester 1, Semester 2
Archaeology (Near Eastern)					
ARNE 1001	Archaeology of the Near East	6			Semester 2
ARNE 1801	Archaeology (Near Eastern) Exchange	6		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARNE 2002	Ancient Mesopotamia	8		P 12 junior credit points from Archaeology, Classical Civilisation or Ancient History.	Semester 2
ARNE 2006	The Archaeology of Central Asia	8		P 12 junior credit points from Archaeology, Classical Civilisation or Ancient History.	Semester 1
ARNE 2801	Archaeology (Near Eastern) Exchange	8		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARNE 2802	Archaeology (Near Eastern) Exchange	8		NB: Department permission required for enrolment.	Semester 1, Semester 2
ARNE 2803	Archaeology (Near Eastern) Exchange	8		NB: Department permission required for enrolment.	Semester 1, Semester 2

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ARNE 2807	Archaeology (Near Eastern) Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARNE 2808	Archaeology (Near Eastern) Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARNE 2901	Material Culture	8	P Credit result in ARNE1001 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
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 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARNE 4011	Archaeology (Near Eastern) Honours A	12	P (a) Credit results in 24 Senior credit points of Archaeology inc. ARNE 2901 and ARNE 3901 (b) reading ability in a Modern European language. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARNE 4012	Archaeology (Near Eastern) Honours B	12	C ARNE4011	Semester 1, Semester 2
ARNE 4013	Archaeology (Near Eastern) Honours C	12	C ARNE4012	Semester 1, Semester 2
ARNE 4014	Archaeology (Near Eastern) Honours D	12	C ARNE4013	Semester 1, Semester 2
Archaeology (Prehistoric and Historical)				
ARPH 1001	Introduction to Archaeology	6		Summer, Semester 1
ARPH 1801	Archaeology (Prehistoric & Historic) Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 2003	The Archaeology of Society	8	P 12 Junior credit points of Archaeology.	Semester 1
ARPH 2005	Archaeology of Modern Times	8	P 12 Junior credit points of Archaeology	Semester 2
ARPH 2006	Australasian Archaeology	8	P 12 Junior credit points of Archaeology.	Semester 2
ARPH 2517	Analysis of Stone Technology	8	P CR+ results in 16 senior credit points of Archaeology, including at least 8 senior credit points of ARPH.	Semester 1
ARPH 2621	Scientific Analysis of Materials	8	P 12 Junior credit points in archaeology N ARPH2601	Semester 2
ARPH 2701	Gender and Sexuality in Archaeology	8	P 12 Junior credit points of Archaeology	Semester 1
ARPH 2702	Issues in Global Historical Archaeology	8	P 12 Junior credit points of Archaeology	Semester 1
ARPH 2801	Archaeology (Prehistoric & Historic) Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 2802	Archaeology (Prehistoric & Historic) Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 2803	Archaeology (Prehistoric & Historic) Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 2807	Archaeology (Prehistoric & Historic) Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 2808	Archaeology (Prehistoric & Historic) Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 3902	Archaeological Research Principles II	8	P 16 senior credit points of Archaeology at Credit level, including at least 8 Senior credit points of Prehistoric & Historical Archaeology NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARPH 3920	Archaeological Applications of Computing	8	P Credit results in 16 Senior credit points of ARPH. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARPH 3921	Archaeological Practice	8	P Credit+ results in 16 senior credit points of ARPH. Department permission required for enrolment. NB: Department permission required for enrolment. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

ARPH 4011	Archaeology (Prehist/Historical) Hons A	12	P a) CR+ results in 24 senior credit points of Archaeology, including ARPH3902 and CR+ results in 8 credit points from ARPH2501-2699 and/or ARPH3921. b) CR+ results in 24 credit points from one or more of the following: senior level Archaeology, Anthropology, History, Aboriginal Studies, and/or Heritage Studies. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARPH 4012	Archaeology (Prehist/Historical) Hons B	12	C ARPH4011	Semester 1, Semester 2
ARPH 4013	Archaeology (Prehist/Historical) Hons C	12	C ARPH4012	Semester 1, Semester 2
ARPH 4014	Archaeology (Prehist/Historical) Hons D	12	C ARPH4013	Semester 1, Semester 2
Art History and Theory				
ARHT 1001	Art & Experience: The European Tradition	6		Semester 1
ARHT 1002	Modern Times: Art and Film	6		Semester 2
ARHT 1801	Art History and Theory Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2010	Art and Society in Trecento Italy	8	P ARHT 1001 and ARHT 1002	Semester 2
ARHT 2012	Baroque Courts	8	P ARHT 1001 and ARHT 1002.	Semester 2
ARHT 2017	Art and Society in Victorian England	8	P ARHT 1001 and ARHT 1002	Semester 1
ARHT 2018	French Art & Cultural Politics 1850-1900	8	P ARHT 1001 and ARHT 1002	Semester 2
ARHT 2031	Transformations in Australian Art	8	P ARHT 1001 and ARHT 1002	Summer
ARHT 2033	Postwar Australian Art	8	P ARHT 1001 and ARHT 1002	Semester 2
ARHT 2036	Contemporary Indigenous Australian Art	8	P ARHT 1001 and ARHT 1002 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ARHT 2040	Modern and Contemporary Asian Art	8	P ARHT1001 & ARHT1002 or ASNS1001 & ASNS1002 or ASNS1001 & ASNS1101	Semester 1
ARHT 2041	Art and Archaeology of South East Asia	8	P The pre-requisites are any of ARHT 1001 & 1002, ASNS 1001 & 1002, ARPH 1001 & 1003 or ARPH 1001+ 1002. NB: Fieldwork will be taught at Angkor Wat with daily on-site presentations by Associate Professor or Roland Fletcher, and in Thailand by Professor John Clark. There will be oral presentations by students on specified evenings in both the Angkor and Thai modules. All students must register with the department by early November 2004 if they are going to take this module. Travel and accommodation costs only will be charged at about \$3,500. (This course is taught as an ordinary senior unit of so there are no Summer School or other special fees for this course).	S1 Intensive
ARHT 2044	Asian Film Studies	8	P Either ARHT1001 & ARHT1002 or ASNS1001 & ASNS1002 or ASNS1001 & ASNS1101 or ANTH1001 & ANTH1002 or ANTH1003 & ANTH1004.	Semester 2
ARHT 2056	National and Transnational Cinemas	8	P ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL1005 (for Film Majors).	Semester 1
ARHT 2057	Contemporary Hollywood	8	P ARHT 1001 and ARHT 1002 (For Art History Major) ARHT 1002 or ENGL1005 (for Film Majors).	Semester 2
ARHT 2060	Masterpieces and Metapictures	8	P ARHT 1001 and ARHT 1002	Semester 1
ARHT 2071	Orientalism and Visual Culture	8	P ARHT 1001 and ARHT 1002. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ARHT 2072	Nation Building-Australian/American Arts	8	P ARHT 1001 and ARHT 1002 or permission of course coordinator. NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program	Summer, Semester 1

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ARHT 2072	Nation Building-Australian/American Arts	8	P ARHT 1001 and ARHT 1002 or permission of course coordinator. NB: NB:This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program	Summer, Semester 1
ARHT 2801	Art History and Theory Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2802	Art History and Theory Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2803	Art History and Theory Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2807	Art History and Theory Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2808	Art History and Theory Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 2901	Recent Approaches to Art and Film	8	P 16 Senior credit points in Art History and Theory with a Credit average. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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 ARHT2901 Recent Approaches to Art and Film. NB: Department permission required for enrolment.	Semester 1, Semester 2
ARHT 4012	Art History and Theory Honours B	12	C ARHT4011	Semester 1, Semester 2
ARHT 4013	Art History and Theory Honours C	12	C ARHT4012	Semester 1, Semester 2
ARHT 4014	Art History and Theory Honours D	12	C ARHT4013	Semester 1, Semester 2
Arts Informatics				
ARIN 1000	History and Theory of Informatics	6	C ISYS1003 or INFO1000 or INFO1003 N Available to BA Informatics, BCST and BIT students only	Semester 1
ARIN 2000	Research Methods in IS, Humanities & Soc	8	P ARIN 1000 and either ISYS1003 or INFO1000 or INFO1003. NB: Available to BA Informatics students only.	Semester 2
ARIN 2100	Web Tools	8	P 18 junior credit points NB: Available to students enrolled in the BA Informatics and BA students	Summer, Semester 1, Semester 2
ARIN 2200	Cyberworld: Sex, Race and Community	8	P 18 junior credit points NB: Available to students enrolled in the BA Informatics and BA students	Semester 1
ARIN 2300	Digital Arts	8	P 18 junior credit points NB: Available to students enrolled in the BA Informatics and BA students. May be cross-listed for an Art History and Theory major.	Semester 2
ARIN 3000	Technocultures	8	P 18 junior credit points NB: Available to students enrolled in BA Informatics	Semester 1
ARIN 3500	Arts Informatics Project I	8	P ISYS3113, ISYS3207 and ARIN2000 NB: Available to BA Informatics students only	Semester 1
ARIN 3600	Arts Informatics Project II	16	P ISYS3113, ISYS3207 and ARIN2000 NB: Available to BA Informatics students only	Semester 2
Asian Studies				
ASNS 1001	Modern Asian History and Cultures 1	6		Semester 1
ASNS 1002	Modern Asian History and Cultures 2	6		Semester 2
ASNS 1101	Introduction to Chinese Civilisation	6	A No prior knowledge is assumed. All teaching and all assigned readings are in English.	Semester 1
ASNS 1801	Asian Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2

ASNS 2118	Remaking Chinese Society, 1949-2000	8	<p>A Students with no prior knowledge of modern Chinese history are encouraged to read an introductory textbook (e.g., Edwin E. Moise, <i>Modern China: A History</i>. Second edition. Longman, 1994) before the start of the semester.</p> <p>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.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. Please note that the information provided here is intended to apply to the version of this unit offered in the regular semester. Appropriate adjustments are made for the Summer School version.</p>	Summer, Semester 2
ASNS 2212	Six Schools: Classical Indian Philosophy	8	<p>P 12 Junior credit points in Asian Studies, History, Economic History, Religious Studies, Art History and Theory, Philosophy or an Asian Language.</p>	Semester 2
ASNS 2304	Early Modern Japanese History	8	<p>P 12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
ASNS 2306	The Enigma of Power in Japan	8	<p>P 12 Junior credit points In Asian Studies, History, Economic History, Government and International Relations and/or and Asian language</p> <p>N JPNS 2316 Power in Japanese Politics and Society</p>	Semester 1
ASNS 2308	Modern Japanese Social History	8	<p>P 12 Junior credit points in Asian Studies, History, Economic History, Government and Public Administration and/or an Asian language.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
ASNS 2313	Buddhist Philosophy	8	<p>P Prerequisites will be 18 junior made up from Table A but may include PALI 1001 or PALI 1002.</p>	Semester 1
ASNS 2401	Making and Unmaking Modern Indonesia	8	<p>P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology, or an Asian language.</p> <p>N Indonesia in the Global Age, INMS2901</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 1
ASNS 2402	Islam, Trade & Society-Arabia to SE Asia	8	<p>P 12 Junior credit points in Arab World, Islam and the Middle East, Asian Studies, History, Economic History, Government and Public Administration and/or an Asian Language</p>	Semester 2
ASNS 2416	Southeast Asian Dictators & Democracies	8	<p>P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian Language.</p> <p>N Southeast Asian Politics ASNS2414.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
ASNS 2501	Traditional Korea	8	<p>P 12 junior credit points in Asian Studies, History, Economic History, Government and International Relations and/or an Asian language.</p> <p>N May not be taken with or after KRNS 2501, KRNS2601 or KRNS 1301</p>	Semester 1
ASNS 2502	Modern Korea	8	<p>P 12 junior credit points in Asian Studies, History, Economic History, Government and International and/or an Asian language.</p>	Semester 2

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ASNS 2511	Mass Media in Korea	8	P 12 junior credit points in Asian Studies, History, Economic History, Government and/or an Asian language. N KRNS2511, KRNS2611 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	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. N KRNS2600	Semester 1
ASNS 2700	Australia & Asia: Ripples & Reflections	8	P 12 junior credit points in Asian Studies, History, Government and International Relations, and/or an Asian language. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ASNS 2801	Asian Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 2802	Asian Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 2803	Asian Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 2804	Asian Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 2807	Asian Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 2808	Asian Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 3601	Asian Studies 3A (Japanese)	4	P ASNS 2604	Semester 1
ASNS 3602	Asian Studies 3B (Japanese)	4	P ASNS3601	Semester 2
ASNS 3902	Approaches to Research in Asian Studies	4	P Credit or better average in 24 senior Asian Studies units of study N CHNS3902, INMS3902, JPNS3902	Semester 2
ASNS 4011	Asian Studies Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
ASNS 4012	Asian Studies Honours B	12	C ASNS4011	Semester 1, Semester 2
ASNS 4013	Asian Studies Honours C	12	C ASNS4012	Semester 1, Semester 2
ASNS 4014	Asian Studies Honours D	12	C ASNS4013	Semester 1, Semester 2
Australian Literature				
ASLT 2001	Australian Literature 1920-1960	8	P 18 Junior credit points	Semester 1
ASLT 2002	Australian Literature 1960-1988	8	P 18 Junior credit points NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ASLT 2005	Reorientations in Australian Literature	8	P 18 Junior credit points NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ASLT 2016	Australian Stage and Screen	8	P 18 Junior credits points. N ASLT 2006. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ASLT 3901	Australian Literature Research Methods	4	P 16 Senior credit points in Australian Literature with Credit average C ASLT 3902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ASLT 3902	Australian Literature Research Issues	4	P 16 Senior credit points in Australian Literature with Credit average C ASLT 3901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ASLT 4011	Australian Literature Honours A	12	P Credit or above in 48 Senior credit points in Australian Literature including ASLT 3901 and 3902 (may include up to 16 Senior credit points of English) NB: Department permission required for enrolment.	Semester 1, Semester 2
ASLT 4012	Australian Literature Honours B	12	C ASLT4011	Semester 1, Semester 2
ASLT 4013	Australian Literature Honours C	12	C ASLT4012	Semester 1, Semester 2
ASLT 4014	Australian Literature Honours D	12	C ASLT4013	Semester 1, Semester 2

Australian Studies				
ASTR 2001	Australia: Land and Nation	8	P 18 Junior credit points. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ASTR 2003	Australian Film and National Identity	8	P 18 Junior Credit Points. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
Biblical Studies				
BBCL 1001	Biblical Studies 1	6		Semester 1
BBCL 1002	Biblical Studies 2	6		Semester 2
BBCL 2005	Literature of Second Temple Judaism	8	P BBCL 1001, BBCL 1002. NB: The program offers a full major: the other two senior units, Biblical Studies 3 (BBCL2003) and Biblical Studies 4 (BBCL2004) will be offered in 2006.	Semester 1
BBCL 2006	Jewish Apocalyptic Literature	8	P BBCL 1001, BBCL 1002. NB: The program offers a full major: the other two senior units, Biblical Studies 3 (BBCL2003) and Biblical Studies 4 (BBCL2004) will be offered in 2006.	Semester 2
BBCL 4011	Biblical Studies Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
BBCL 4012	Biblical Studies Honours B	12	C BBCL4011	Semester 1, Semester 2
BBCL 4013	Biblical Studies Honours C	12	C BBCL4012	Semester 1, Semester 2
BBCL 4014	Biblical Studies Honours D	12	C BBCL4013	Semester 1, Semester 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. C Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. N HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher. NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.	Semester 1
CHNS 1102	Beginning Chinese (2)	6	A One semester of Chinese at introductory level, preferably using full-form characters. P CHNS 1101 N HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher.	Semester 2
CHNS 1201	Intermediate Chinese (1)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with no, or very limited, knowledge of characters. C Students are strongly advised to take ASNS 1101, Introduction to Chinese Civilisation. N HSC Chinese for Background Speakers; eligibility for full native speaker classes. NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.	Semester 1
CHNS 1202	Intermediate Chinese (2)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. P CHNS 1201 N HSC Chinese for Background Speakers; eligibility for full native-speaker classes	Semester 2

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CHNS 1313	Classical Chinese for Native Speakers 1	6	<p>A Full native-speaker competence (including character literacy) in a modern Chinese language (e.g., putonghua, Cantonese).</p> <p>C Students who have little knowledge of Chinese history and culture are strongly encouraged to take ASNS 1101.</p> <p>N May not be taken after CHNS1311/1312.</p> <p>NB: Department permission required for enrolment. Students must attend a placement interview with a staff member of the department of Chinese and Southeast Asian Studies prior to enrolment.</p>	Semester 1
CHNS 1314	Classical Chinese for Native Speakers 2	6	<p>A A solid basic knowledge of the grammar of Classical Chinese</p> <p>P CHNS 1313</p> <p>N May not be taken after CHNS 1312.</p>	Semester 2
CHNS 1801	Chinese Exchange	6	<p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CHNS 2021	Chinese In-Country Study I	16	<p>P CHNS 1102 or CHNS 1202 (or a sequel within the same stream).</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CHNS 2022	Chinese In-Country Study II	16	<p>P CHNS 1102 or CHNS 1202 (or a sequel within the same stream).</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CHNS 2023	Chinese In-Country Study A	8	<p>P CHNS 1102 or CHNS 1202 (or a sequel within the same stream).</p> <p>N Open to students in the non-background-speaker and intermediate streams only.</p> <p>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.</p>	Semester 1, Semester 2
CHNS 2024	Chinese In-Country Study B	8	<p>P CHNS 1102 or CHNS 1202 (or a sequel within the same stream).</p> <p>N Open to students in the non-background-speaker and intermediate streams only.</p> <p>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.</p>	Semester 1, Semester 2
CHNS 2101	Second-Year Chinese (1)	8	<p>A One year (approx. 5 hrs/wk for 26 wks) of Chinese at introductory level, preferably using full-form characters.</p> <p>P CHNS 1102</p> <p>N HSC Chinese for Background Speakers; eligibility for background/native-speaker classes</p>	Semester 1
CHNS 2102	Second-Year Chinese (2)	8	<p>A Sound intermediate knowledge of Modern Standard Chinese, including full mastery of at least 1,000 characters (preferably full-form).</p> <p>P CHNS 2101</p> <p>N HSC Chinese for Background Speakers; eligibility for background/native-speaker classes</p>	Semester 2
CHNS 2111	Beginning Classical Chinese	4	<p>A One year of Chinese at introductory level, preferably using full-form characters.</p> <p>P CHNS1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204.</p> <p>N May not be taken by those eligible to take native-speaker stream units of study.</p> <p>NB: Prospective Honours students should take this unit or CHNS 2903 if eligible.</p>	Semester 1
CHNS 2112	Readings in Classical Chinese	4	<p>A Basic knowledge of the grammar of Classical Chinese.</p> <p>P CHNS 2111 or CHNS 2211 or CHNS 2903</p> <p>N May not be taken by those eligible to take native-speaker stream units of study.</p> <p>NB: Prospective Honours students should take this unit or CHNS 2904 if eligible.</p>	Semester 2

CHNS 2203	Senior Intermediate Chinese (1)	8	<p>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 (e.g., Cantonese). Students entering this unit of study will typically know about 1,000 characters.</p> <p>P CHNS 1202; or CHNS 3104 plus instructor's permission.</p> <p>C Students are strongly advised to take CHNS 3421, Chinese for Business Purposes (1) and/or CHNS 2111, Beginning Classical Chinese or, if eligible, CHNS 2903, Honours Stream Classical Chinese (1).</p> <p>N HSC Chinese for Background Speakers; eligibility for full native-speaker classes.</p>	Semester 1
CHNS 2204	Senior Intermediate Chinese (2)	8	<p>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 (e.g., Cantonese). Students entering this unit of study will typically know about 2,000 characters.</p> <p>P CHNS 2201 or CHNS 2203.</p> <p>C Students are strongly advised to take CHNS 3422, Chinese for Business Purposes (2) and/or CHNS 2112, Readings in Classical Chinese or, if eligible, CHNS 2904, Honours Stream Classical Chinese (2).</p> <p>N Eligibility for full native-speaker classes.</p>	Semester 2
CHNS 2801	Chinese Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2802	Chinese Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2803	Chinese Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2807	Chinese Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2808	Chinese Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
CHNS 2903	Honours Stream Classical Chinese (1)	8	<p>A Good basic grounding in Modern Standard Chinese including mastery of at least 600 characters; above-average performance (Credit or a full B) in previous formal studies of Chinese.</p> <p>P Credit or higher in CHNS 1102 or CHNS 1202 or CHNS 2102 or CHNS 3104 or CHNS 2204.</p> <p>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.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 1
CHNS 2904	Honours Stream Classical Chinese (2)	8	<p>A Solid introductory grounding in Classical Chinese, preferably using full-form characters.</p> <p>P Credit or higher in CHNS 2111, CHNS 2211 or CHNS 2903.</p> <p>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.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
CHNS 3103	Third-Year Chinese (1)	8	<p>A Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese.</p> <p>P CHNS 2102</p> <p>N HSC Chinese for Background Speakers; eligibility for background/native-speaker classes; CHNS 3101</p>	Semester 1

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CHNS 3104	Third-Year Chinese (2)	8	<p>A Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese.</p> <p>P CHNS 3103.</p> <p>N HSC Chinese for Background Speakers; eligibility for background/native-speaker classes; CHNS 3102.</p>	Semester 2
CHNS 3421	Chinese for Business Purposes (1)	4	<p>A Sound intermediate knowledge of Modern Standard Chinese.</p> <p>P CHNS 2102 or CHNS 1202.</p> <p>C CHNS 3103 or CHNS 2203.</p> <p>N Not open to students in the native-speaker stream.</p> <p>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.</p>	Semester 1
CHNS 3422	Chinese for Business Purposes (2)	4	<p>A Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes.</p> <p>P CHNS 3421</p> <p>C CHNS 3104 or CHNS 2204</p> <p>N Not open to students in the native-speaker stream.</p> <p>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.</p>	Semester 2
CHNS 3441	Classical Chinese Poetry	4	<p>A Sound basic knowledge of Classical Chinese.</p> <p>P CHNS 2112 or CHNS 2212 or CHNS 2904.</p> <p>N CHNS 3541. Not open to native-speaker-stream students.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
CHNS 3536	Chinese Fiction after Mao	8	<p>A Advanced or native-speaker proficiency in reading Chinese.</p> <p>P CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission.</p> <p>NB: This unit is available as a designated "Advanced" unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
CHNS 3541	Classical Chinese Poetry (Advanced)	8	<p>A Good grounding in Classical Chinese</p> <p>P CHNS 1312 or CHNS 1314; or Distinction in CHNS 2112, CHNS 2212 or CHNS 2904 and permission of instructor.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 2
CHNS 3548	Readings in Pre-Modern Chinese Drama	8	<p>A Good grounding in Classical Chinese</p> <p>P CHNS 1312 or CHNS 1314</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 1
CHNS 3571	Contemporary Issues in the Chinese World	8	<p>A Advanced or native-speaker proficiency in reading Chinese.</p> <p>P CHNS 1302 or CHNS 1314; or CHNS 2202 or CHNS 2204; or CHNS 3104 (or CHNS 3102) plus instructor's permission.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 1
CHNS 3902	Approaches to Research on China	4	<p>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> <p>P Minimum of 32 senior CHNS credit points; Credit average in all senior CHNS credit points taken.</p> <p>N ASNS 3902, JPNS 3902, INMS 3902.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program. It is possible that in 2005, as part of a curricular rationalisation, students will be asked to enrol in ASNS 3902 instead.</p>	Semester 2

CHNS 3903	Exploring Gender in Classical Chinese	4	<p>A Students will be expected to read materials in relatively straightforward Classical Chinese. Good reading ability in English is also important.</p> <p>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, it is expected that enrolling students will have realistic prospects of an overall credit average in senior CHNS units on completion of the required number of credit points for admission to Honours.</p> <p>N May not be taken after CHNS 3901.</p> <p>NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</p>	Semester 1
CHNS 4011	Chinese Honours A	12	<p>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). For 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 are strongly encouraged to contact the Chair of Department to discuss possibilities for their acceptance into the Honours program.</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CHNS 4012	Chinese Honours B	12	<p>P See under CHNS 4011.</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CHNS 4013	Chinese Honours C	12	<p>P See under CHNS 4011.</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CHNS 4014	Chinese Honours D	12	<p>P See under CHNS 4011.</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
Classical Civilisation				
CLCV 1001	Classical Mythology	6		Semester 1
CLCV 1801	Classical Civilisation Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
CLCV 1802	Classical Civilisation Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
CLCV 2801	Classical Civilisation Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
CLCV 2802	Classical Civilisation Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Classics				
CLSS 1002	Greece and Rome in Performance	6		Semester 2
CLSS 2303	Magic in Greece and Rome	8	P 18 Junior credit points	Semester 2
CLSS 4011	Classics Honours A	12	<p>P Credit results in GRKA 3904 and LATN 3904</p> <p>NB: Department permission required for enrolment.</p>	Semester 1, Semester 2
CLSS 4012	Classics Honours B	12	C CLSS4011	Semester 1, Semester 2
CLSS 4013	Classics Honours C	12	C CLSS4012	Semester 1, Semester 2
CLSS 4014	Classics Honours D	12	C CLSS4013	Semester 1, Semester 2
Comparative Literature (see International Comparative Literary Studies)				
English				
ENGL 1000	University English	6	<p>P This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native fluency in English. ENGL 1000 cannot be counted towards the junior credit points required to enrol in senior units of English.</p>	Summer, Winter, Semester 1, Semester 2
ENGL 1005	Language and Image	6	<p>N ENGL 1050.</p> <p>NB: Department permission required for enrolment.</p>	Semester 2, Semester 1

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ENGL 1015	Inventing Modernity	6		Semester 2
ENGL 1020	Literary Mythologies	6		Semester 1
ENGL 1025	Fiction, Film and Power	6		Semester 1
ENGL 1801	English Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 1802	English Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2000	Anglo-Saxon Norse and Celtic Studies	8	P 12 Junior credit points of English excluding ENGL 1000	Semester 1
ENGL 2001	Arthurian Literature	8	P 12 Junior credit points of English excluding ENGL1000	Semester 1
ENGL 2007	Drama: Classical to Renaissance	8	P 12 Junior credit points of English excluding ENGL 1000	Semester 1
ENGL 2013	Literature and Politics	8	P 12 Junior credit points of English excluding ENGL 1000	Semester 2
ENGL 2029	Victorian Literature	8	P 12 Junior credit points of English excluding ENGL1000	Semester 1
ENGL 2035	Contemporary American Prose	8	P 12 Junior credit points of English excluding ENGL1000	Semester 1
ENGL 2036	The English Bible and English Literature	8	P 12 Junior credit points of English excluding ENGL1000	Semester 2
ENGL 2038	Literature and Cinema	8	P 12 Junior credit points of English excluding ENGL1000	Semester 1
ENGL 2040	Shakespeare	8	P 12 Junior credit points of English excluding ENGL1000	Semester 2
ENGL 2041	Authority and Anxiety	8	P 12 Junior credit points of English excluding ENGL1000	Semester 1
ENGL 2043	Inter/National Writings in English	8	P 12 Junior credit points of English excluding ENGL1000	Semester 2
ENGL 2048	Literature of Travel and Discovery	8	P 12 Junior credit points of English excluding ENGL1000	Semester 2
ENGL 2049	The World of Fantasy	8	P 12 Junior credit points of English excluding ENGL1000	Summer, Semester 2
ENGL 2049	The World of Fantasy	8	P 12 Junior credit points of English excluding ENGL1000	Summer, Semester 2
ENGL 2052	Modern Rhetoric	8	P 12 Junior credit points of English excluding ENGL1000 NB: May be cross listed to a major in Linguistics	Semester 2
ENGL 2053	Varieties of English Grammar	8	P 12 Junior Credit Points of English excluding ENGL1000	Semester 1
ENGL 2801	English Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2802	English Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2803	English Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2804	English Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2805	English Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2806	English Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2807	English Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2808	English Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 2901	Special Studies in English 1	4	P Credit or above in 12 Junior credit points of English excluding ENGL1000. C ENGL 2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 2902	Special Studies in English 2	4	P Credit or above in 12 Junior credit points of English excluding ENGL1000 C ENGL 2901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

ENGL 3911	Studies in Medieval Languages A	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 3912	Medieval and Renaissance Studies A	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 3913	Seventeenth and Eighteenth Centuries A	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 3914	The Long Nineteenth Century A	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 3915	Rhetoric and Discourse A	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 3916	Further Studies in Medieval Languages A	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 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 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 3921	Studies in Medieval Languages B	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 3922	Medieval and Renaissance Studies B	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ENGL 3923	Seventeenth and Eighteenth Centuries B	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 3924	The Long Nineteenth Century B	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 3925	Rhetoric and Discourse B	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 3926	Further Studies in Medieval Languages B	4	P Credit average in 16 Senior credit points of English. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ENGL 4101	English Honours A	12	P Credit average in 48 Senior credit points of English, including ENGL2901, ENGL2902, ENGL3910, ENGL3920 and two advanced units. Candidates who were eligible for Honours candidacy according to the Department's guidelines as they were until 2003 should consult the Honours coordinator. NB: Department permission required for enrolment.	Semester 1, Semester 2
ENGL 4102	English Honours B	12	C ENGL4101	Semester 1, Semester 2
ENGL 4103	English Honours C	12	C ENGL4102	Semester 1, Semester 2

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ENGL 4104	English Honours D	12	C ENGL4103	Semester 1, Semester 2
European Studies				
EUST 2801	European Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 2802	European Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 4011	European Studies Honours A	12	P Permission of Centre for European Studies NB: Department permission required for enrolment.	Semester 1, Semester 2
EUST 4012	European Studies Honours B	12	C EUST4011	Semester 1, Semester 2
EUST 4013	European Studies Honours C	12	C EUST4012	Semester 1, Semester 2
EUST 4014	European Studies Honours D	12	C EUST4013	Semester 1, Semester 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.	Semester 1
FRNC 1102	French Introductory 2	6	P FRNC1101 or equivalent.	Semester 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.	Semester 1
FRNC 1202	French Intermediate 2	6	P FRNC1201 or equivalent.	Semester 2
FRNC 1301	French Advanced 1	6	P HSC French Continuers & Extension or more than 80% in Continuers French.	Semester 1
FRNC 1302	French Advanced 2	6	P FRNC1301 or equivalent.	Semester 2
FRNC 1501	French Short Reading Course	6	N FRNC 1101, FRNC 1102, FRNC 1201, FRNC 1202, FRNC 1301, FRNC 1302.	Semester 1
FRNC 1701	Modern French Civilisation 1	3		Semester 2a
FRNC 1702	Modern French Civilisation 2	3		Semester 2b
FRNC 1801	French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 1802	French Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2103	French Language 3	4	P FRNC1102 or FRNC1202 or equivalent.	Semester 1
FRNC 2104	French Language 4	4	P FRNC2103 or equivalent.	Semester 2
FRNC 2113	Active Language Skills in Context	8	P FRNC1102 or 1202 or equivalent. C FRNC2103.	Semester 1
FRNC 2303	Advanced French Language 3	4	P FRNC1302 or equivalent.	Semester 1
FRNC 2304	Advanced French Language 4	4	P FRNC2303 or equivalent.	Semester 2
FRNC 2401	French Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2402	French Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2403	French Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2404	French Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2407	French Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2408	French Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 2501	French Reading 1	4	P FRNC1102 or FRNC1202. In consultation with the coordinator, certain students having completed FRNC1201 will be permitted to take this course.	Semester 1
FRNC 2502	French Reading 2	4	P FRNC2501 or equivalent.	Semester 2
FRNC 2602	Introduction to Linguistics	4	P FRNC1302 or FRNC2502 or equivalent.	Semester 1
FRNC 2701	Revolution and Social Thought	4	P FRNC1302 or FRNC2502 or equivalent.	Semester 1
FRNC 2702	The Second French Revolution	4	P FRNC 1302 or FRNC 2502 or equivalent.	Semester 2
FRNC 2714	Switzerland	4	P FRNC1302 or FRNC2502 or equivalent.	Semester 1
FRNC 2802	French Narrative Cinema	4	P FRNC1302 or FRNC2502	Semester 2
FRNC 3105	French Language 5	4	P FRNC2104 or equivalent.	Semester 1
FRNC 3106	French Language 6	4	P FRNC3105 or equivalent.	Semester 2
FRNC 3305	Advanced French Language 5	4	P FRNC2304 or equivalent.	Semester 1
FRNC 3306	Advanced French Language 6	4	P FRNC3305 or equivalent.	Semester 2

FRNC 3401	French In-Country Study 1	4	P Permission of Department of French Studies. NB: Department permission required for enrolment.	Semester 1
FRNC 3402	French In-Country Study 2	4	P Permission of Department of French Studies. NB: Department permission required for enrolment.	Semester 2
FRNC 3403	French In-Country Study 3	4	P Permission of Department of French Studies. NB: Department permission required for enrolment.	Semester 1
FRNC 3404	French In-Country Study 4	4	P Permission of Department of French Studies NB: Department permission required for enrolment.	Semester 2
FRNC 3405	French In-Country Study 5	4	P Permission of Department of French Studies. NB: Department permission required for enrolment.	Semester 1
FRNC 3406	French In-Country Study 6	4	P Permission of Department of French Studies. NB: Department permission required for enrolment.	Semester 2
FRNC 3703	Intellectual Movements Since 1945	4	P FRNC 1302 or FRNC 2502 or equivalent. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
FRNC 3706	Deconstructing French Texts	4	P FRNC1302 or FRNC2502 or equivalent. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
FRNC 3805	French Popular Culture	4	P FRNC1302 or FRNC2502 or equivalent.	Semester 2
FRNC 3810	French Translation	4	P Credit in FRNC1302 or FRNC2502, or equivalent. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
FRNC 3908	French Enlightenment	4	P Credit in FRNC1302 or in FRNC2502 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
FRNC 3909	French Romanticism	4	P Credit in FRNC1302 or FRNC2502, or equivalent. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
FRNC 4011	French Honours A	12	P Major in Advanced French or in French with credit average in 48 Senior units, including at least two of the following Special Entry units: FRNC2901, FRNC3906, FRNC3907, FRNC3908, FRNC3909 or equivalent. NB: Department permission required for enrolment.	Semester 1, Semester 2
FRNC 4012	French Honours B	12	C FRNC4011	Semester 1, Semester 2
FRNC 4013	French Honours C	12	C FRNC4012	Semester 1, Semester 2
FRNC 4014	French Honours D	12	C FRNC4013	Semester 1, Semester 2
Gender Studies				
WMST 1801	Gender Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 2001	Gender, Media and Popular Culture	8	P 18 Junior credit points	Semester 1
WMST 2002	Thinking Gender	8	P 18 Junior credit points	Semester 2
WMST 2004	Sex, Violence and Transgression	8	P 18 Junior credit points NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
WMST 2007	Bodies, Sexualities, Identities	8	P 18 junior credit points. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer, Semester 2
WMST 2008	Gender, Communities and Difference	8	P 18 junior credit points. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

5. Arts units of study

WMST 2009	Cultures of Masculinities	8	P 18 junior credit points. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer, Semester 1
WMST 2010	Intimacy, Love and Friendship	8	P 18 junior credit points NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
WMST 2011	Everyday Cultures	8	P 18 junior credit points	Semester 2
WMST 2012	Youth Cultures: Images & Ideas of Youth	8	P 18 junior credit points NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer
WMST 2801	Gender Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 2802	Gender Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 2803	Gender Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 2807	Gender Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 2808	Gender Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 3001	Gender, Race and Australian Identities	8	P WMST2001 and one of WMST2002 and WMST2007 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
WMST 4011	Gender Studies Honours A	12	P Credit or above in WMST2001, WMST2002 and WMST3001 and a further 24 credit points in Gender Studies. NB: Department permission required for enrolment.	Semester 1, Semester 2
WMST 4012	Gender Studies Honours B	12	C WMST4011	Semester 1, Semester 2
WMST 4013	Gender Studies Honours C	12	C WMST4012	Semester 1, Semester 2
WMST 4014	Gender Studies Honours D	12	C WMST4013	Semester 1, Semester 2
Germanic Studies				
GRMN 1111	Junior Introductory German 1	6	N HSC German Extension, German Continuers, German Beginners 65% or above or equivalent.	Semester 1
GRMN 1122	Junior Introductory German 2	6	P GRMN 1111.	Semester 2
GRMN 1133	German Language Skills and Culture	6	C GRMN 1111. N GRMN1131, GRMN 1132.	Semester 1
GRMN 1211	Junior Intermediate German 1	6	P HSC German Beginners 65% or above or German Continuers below 70% or equivalent.	Semester 1
GRMN 1222	Junior Intermediate German 2	6	P GRMN 1211.	Semester 2
GRMN 1311	Junior Advanced German 1	6	P HSC German Extension or German Continuers 70% or above or equivalent.	Semester 1
GRMN 1322	Junior Advanced German 2	6	P GRMN 1311.	Semester 2
GRMN 2211	Senior Intermediate German 1	8	P GRMN 1122.	Semester 1
GRMN 2222	Senior Intermediate German 2	8	P GRMN 2211.	Semester 2
GRMN 2311	Senior Advanced German Language 1	4	P Either GRMN 1222 or GRMN 2222.	Semester 1
GRMN 2322	Senior Advanced German Language 2	4	P GRMN 2311.	Semester 2
GRMN 2331	Senior Advanced German Language 3	4	P Either GRMN 1322 or GRMN 2222 or GRMN 2322.	Semester 1
GRMN 2342	Senior Advanced German Language 4	4	P GRMN 2331.	Semester 2
GRMN 2351	Senior Advanced German Language 5	4	P GRMN2322 or GRMN2342 or GRMN2750	Semester 1
GRMN 2362	Senior Advanced German Language 6	4	P GRMN2351.	Semester 2
GRMN 2450	Early 20th Century German Literature	8	P 12 Junior credit points of German not including GRMN 1133. N GRMN 2410.	Semester 1
GRMN 2451	Later 20th Century German Literature	8	P 12 Junior credit points of German not including GRMN 1133. N GRMN 2420.	Semester 2
GRMN 2455	Topics in German Film	8	P 12 Junior credit points of German not including GRMN 1133.	Semester 1
GRMN 2750	Business German	8	P GRMN 1222, GRMN 1322 or GRMN 2222.	Summer, Semester 2
GRMN 2801	German Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2

GRMN 2802	German Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2803	German Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2807	German Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2808	German Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 2901	Drama des 19. Jahrhunderts	4	P Credit average in 12 Junior credit points of German not including GRMN 1133.	Semester 2
GRMN 2913	Contemporary German Fiction	8	P Credit average in 12 Junior credit points of German not including GRMN 1133. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRMN 2950	Gender & Sexuality in German Literature	4	P Credit average in 12 Junior credit points of German not including GRMN 1133.	Semester 2
GRMN 3401	German In-Country Study 1	4	P 12 Junior credit points of German not including GRMN 1133. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 3402	German In-Country Study 2	4	P 12 Junior credit points of German not including GRMN 1133. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 3403	German In-Country Study 3	4	P 12 Junior credit points of German not including GRMN 1133. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 3404	German In-Country Study 4	4	P 12 Junior credit points of German not including GRMN 1133. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 3701	Quest for Identity in Frisch's Works	8	P Credit average in 16 Senior credit points of German. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRMN 4011	German Honours A	12	P A major in German with a Credit average in 48 Senior credit points of German including 8 credit points of study at 2900 / 3700 level. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRMN 4012	German Honours B	12	C GRMN4011	Semester 1, Semester 2
GRMN 4013	German Honours C	12	C GRMN4012	Semester 1, Semester 2
GRMN 4014	German Honours D	12	C GRMN4013	Semester 1, Semester 2
Greek (Ancient)				
GRKA 1001	Greek 1.1	6	N GRKA 1101	Semester 1
GRKA 1002	Greek 1.2	6	P GRKA 1001 N GRKA 1102	Semester 2
GRKA 2003	Greek 2.1	8	P GRKA 1002 or GRKA 2302 and GRKA 2312	Semester 1
GRKA 2004	Greek 2.2	8	P GRKA 2003	Semester 2
GRKA 2103	Advanced Greek 2.1	8	P GRKA 1102	Semester 1
GRKA 2104	Advanced Greek 2.2	8	P GRKA 2103	Semester 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	Semester 1
GRKA 2302	Accelerated Greek 2.2	4	P GRKA 2301 N GRKA 1002	Semester 2
GRKA 2312	Accelerated Greek 2 Additional	4	P GRKA 2301 C GRKA 2302	Semester 2
GRKA 2801	Greek (Ancient) Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRKA 2802	Greek (Ancient) Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRKA 2802	Greek (Ancient) Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2

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GRKA 2901	Special Greek 2.1	4	P Credit or better in GRKA1002 or GRKA2302 or GRKA1102 C GRKA 2103 or GRKA 2003 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRKA 2902	Special Greek 2.2	4	P GRKA 2901 C GRKA 2104 or GRKA 2004 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GRKA 3005	Greek 3.1	8	P GRKA 2004	Semester 1
GRKA 3006	Greek 3.2	8	P GRKA 3005	Semester 2
GRKA 3105	Advanced Greek 3.1	8	P GRKA 2104 or GRKA 3006.	Semester 1
GRKA 3106	Advanced Greek 3.2	8	P GRKA 3105	Semester 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 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
GRKA 3904	Special Greek 3.2	4	P GRKA 3903 C GRKA 3106 or GRKA 3006 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
GRKA 4011	Greek Honours A	12	P Credit in 60 credit points of Greek including GRKA3903 and GRKA3904 and either GRKA3105 and GRKA3106 or GRKA3005 and GRKA3006. NB: Department permission required for enrolment.	Semester 1, Semester 2
GRKA 4012	Greek Honours B	12	P Refer to GRKA4011. C GRKA4011	Semester 1, Semester 2
GRKA 4013	Greek Honours C	12	P Refer to GRKA4011. C GRKA4012	Semester 1, Semester 2
GRKA 4014	Greek Honours D	12	P Refer to GRKA4011. C GRKA4013	Semester 1, Semester 2
Greek and Roman Literature				
GRLT 2303	Greek and Roman Literature - Tragedy	8	P 18 Junior credit points	Semester 1
GRLT 2304	Greek and Roman Literature - Comedy	8	P 18 Junior credit points	Semester 2
GRLT 2801	Greek and Roman Literature Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GRLT 2802	Greek and Roman Literature Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
Hebrew (Classical)				
HBRW 1111	Hebrew Classical B1	6	N HBRW1311	Semester 1
HBRW 1112	Hebrew Classical B2	6	P HBRW 1111 N HBRW 1312	Semester 2
HBRW 1311	Hebrew Classical A1	6	P HSC Hebrew or equivalent N HBRW 1111	Semester 1
HBRW 1312	Hebrew Classical A2	6	P HBRW 1311 N HBRW1112	Semester 2
HBRW 2113	Hebrew Classical B3	8	P HBRW 1112 or HBRW 2402 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HBRW 2114	Hebrew Classical B4	8	P HBRW 2113 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HBRW 2115	Hebrew Classical 5	8	P HBRW 2114 or HBRW 2314 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HBRW 2116	Hebrew Classical 6	8	P HBRW 2115 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HBRW 2313	Hebrew Classical A3	8	P HBRW 1312 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

HBRW 2314	Hebrew Classical A4	8	P HBRW 2313 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HBRW 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 HBRW 1101, 1102, 1112	Semester 1
HBRW 2402	Hebrew Accelerated C2	4	P HBRW 2401	Semester 2
HBRW 2901	Aramaic B1	4	P 12 Junior credit points of Hebrew	Semester 1
HBRW 2902	Aramaic B2	4	P HBRW 2901	Semester 2
HBRW 2911	Syriac B1	4	P 12 Junior credit points of Hebrew.	Semester 1
HBRW 2912	Syriac B2	4	P HBRW 2911	Semester 2
HBRW 3901	Aramaic B3	4	P HBRW 2902	Semester 1
HBRW 3902	Aramaic B4	4	P HBRW 3901	Semester 2
HBRW 3911	Syriac B3	4	P HBRW 2912	Semester 1
HBRW 3912	Syriac B4	4	P HBRW 3911	Semester 2
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. NB: Department permission required for enrolment.	Semester 1, Semester 2
HBRW 4012	Hebrew (Classical) Honours B	12	C HBRW4011	Semester 1, Semester 2
HBRW 4013	Hebrew (Classical) Honours C	12	C HBRW4012	Semester 1, Semester 2
HBRW 4014	Hebrew (Classical) Honours D	12	C HBRW4013	Semester 1, Semester 2
Hebrew (Modern)				
HBRW 1011	Hebrew Modern B1	6		Semester 1
HBRW 1102	Hebrew Modern B2	6	P HBRW 1011	Semester 2
HBRW 1301	Hebrew Modern A1	6		Semester 1
HBRW 1302	Hebrew Modern A2	6	P HBRW 1301	Semester 2
HBRW 2103	Hebrew Modern B3	8	P HBRW 1102	Semester 1
HBRW 2104	Hebrew Modern B4	8	P HBRW 2103	Semester 2
HBRW 2105	Hebrew Modern B5	8	P HBRW 2104	Semester 1
HBRW 2106	Hebrew Modern B6	8	P HBRW 2105	Semester 2
HBRW 2303	Hebrew Modern A3	8	P HBRW 1302	Semester 1
HBRW 2304	Hebrew Modern A4	8	P HBRW 2303	Semester 2
HBRW 2305	Hebrew Modern A5	8	P HBRW 2304	Semester 1
HBRW 2306	Hebrew Modern A6	8	P HBRW 2305	Semester 2
HBRW 4021	Hebrew (Modern) Honours A	12	P Consult Department for details NB: Department permission required for enrolment.	Semester 1, Semester 2
HBRW 4022	Hebrew (Modern) Honours B	12	C HBRW4021	Semester 1, Semester 2
HBRW 4023	Hebrew (Modern) Honours C	12	C HBRW4022	Semester 1, Semester 2
HBRW 4024	Hebrew (Modern) Honours D	12	C HBRW4023	Semester 1, Semester 2
Heritage Studies				
HRTG 2001	Approaching Heritage Studies	8	P At least 18 junior credit points. N ARHT2034	Semester 1
HRTG 2002	The Museum and Cultural Heritage	8	P HRTG 2001 or ARHT2034 N HSTY2022	Semester 2
HRTG 3001	Heritage Museums and the Public Sphere	8	P HRTG 2001 or ARHT2034	Semester 1
HRTG 3002	Social History and Heritage Studies	8	P HRTG 2001 or ARHT2034	Semester 2
Hindi - Urdu				
HIUR 1001	Hindi and Urdu Introductory 1	6		Semester 1
HIUR 1002	Hindi and Urdu Introductory 2	6	P HIUR 1001	Semester 2
HIUR 2001	Hindi and Urdu Intermediate 1	8	P HIUR 1002	Semester 1
HIUR 2002	Hindi and Urdu Intermediate 2	8	P HIUR 2001	Semester 2
HIUR 3001	Hindi and Urdu Advanced 1	8	P HIUR 2002	Semester 1
HIUR 3002	Hindi and Urdu Advanced 2	8	P HIUR 3001	Semester 2

5. Arts units of study

History				
HSTY 1022	Europe in the High Middle Ages	6	NB: It is anticipated that lectures and tutorials in this course will be also available over the Internet. Students interested should consult A/Prof John Pryor.	Semester 1
HSTY 1031	Renaissance and Reformation (1498-1648)	6		Semester 2
HSTY 1044	Twentieth Century Politics and Culture	6	N HSTY1043	Semester 2, S2 Late Int
HSTY 1045	Modern European History 1750-1914	6		Semester 1
HSTY 1076	American History from Lincoln to Clinton	6	N HSTY2035	Semester 1
HSTY 1088	Australian History: An Introduction	6		Semester 2
HSTY 1801	History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 1802	History Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 2001	Religion & Society: Conversion & Culture	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 2
HSTY 2003	Cultural Transmissions 1750-1914	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.	Semester 2
HSTY 2004	Making Australia 1880-1930	8	P 12 Junior credit points of History, Ancient History, Economic History or Asian History and Culture	Semester 1
HSTY 2006	China in its World	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 1
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	Semester 2
HSTY 2014	Australian Social History 1919-1998	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Summer, S1 Late Int
HSTY 2019	Australia to 1888	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 2
HSTY 2023	Revolutions	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 1
HSTY 2025	Class and Culture in Modern England	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 1
HSTY 2029	Sex and Scandal	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Summer, Semester 1
HSTY 2045	Italy and the Wider World	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 1
HSTY 2047	Renaissance Italy	8	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture.	Semester 2
HSTY 2051	The Spanish Civil War	8	P 12 Junior History or Spanish Language credit points.	Semester 1
HSTY 2052	Genocide in Historical Perspective	8	P 12 credit points of History.	Semester 1
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	Semester 2
HSTY 2059	Nationalism	8	P 12 credit points of Junior History, Ancient History, Economics, or Asian History and Culture	Semester 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	Semester 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	Semester 2
HSTY 2065	Festivals and Faith	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture	Semester 1
HSTY 2066	American Revolutions	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture	Semester 1
HSTY 2067	US Imperialism in the Twentieth Century?	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture.	Semester 1
HSTY 2068	The Rise and Fall of the First Reich	8	P 12 credit points of junior-level History, Ancient History, Asian Studies or Economic History N HSTY 277.1	Semester 1

HSTY 2069	Modern Eastern Europe	8	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture	Semester 2
HSTY 2801	History Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 2802	History Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 2803	History Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 2807	History Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 2808	History Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 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. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 2902	Writing History: Recovering the Past	4	P HSTY2901 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3001	History of Travel and Tourism	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3002	Issues in Travel and Tourism	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3023	Histories of Sexuality I	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3024	Histories of Sexuality II	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3047	The Making of the American National Myth	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3048	The American National Myth	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3051	The Asian World and Australia I	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3052	The Asian World and Australia II	4	P Credit average in 24 credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

5. Arts units of study

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 (ANHS2901 and ANHS2902) (Credit average). NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3091	Love, Marriage & the Australian Colonies	4	P 24 credit points of senior history including HSTY 2901 and HSTY 2902 at credit average. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3092	Family & Romance in Modern Australia	4	P 24 credit points of senior history units including HSTY 2901 HSTY 2902 at credit average or better NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3093	Race and Gender in America 1	4	P Credit average in 24 credit points of History including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3094	Race and Gender in America 2	4	P Credit average in 24 credit points of History including HSTY2901 and HSTY2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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). NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3096	Worlds of Medieval Women 1	4	P Credit average in 24 senior History credit points, including HSTY2901 and HSTY2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3097	Worlds of Medieval Women 2	4	P Credit average in 24 senior History credit points, including HSTY 2901 and HSTY 2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3098	Class Struggles in the Atlantic World	4	P Credit average in 24 senior credit points of History, including HSTY2901 and HSTY2902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
HSTY 3099	Public & Private Life: Britain 1707-1901	4	P Credit average in 24 senior history credit points, including HSTY 2901 and HSTY 2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3100	Culture in 19th Century Imperial Russia	4	P Credit average in 24 senior History credit points, including HSTY2901 and HSTY2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
HSTY 3101	Culture in 20th Century Soviet Russia	4	P Credit average in 24 senior History credit points, including HSTY2901 and HSTY2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2

HSTY 4011	History Honours A	12	P Credit average in 48 Senior credit points of History, including HSTY2901 and HSTY2902, and 8 credit points of study at 3000 level NB: Department permission required for enrolment.	Semester 1, Semester 2
HSTY 4012	History Honours B	12	P See under HSTY4011 C HSTY4011	Semester 1, Semester 2
HSTY 4013	History Honours C	12	P See under HSTY4011 C HSTY4012	Semester 1, Semester 2
HSTY 4014	History Honours D	12	P See under HSTY4011 C HSTY4013	Semester 1, Semester 2
Indonesian and Malay Studies				
INMS 1101	Indonesian Introductory 1	6	N Native or near native speakers of Indonesian or Malay, HSC Continuers, or Extension Indonesian or Beginners Indonesian with 75% or above or equivalent. NB: Native or near native speakers of Indonesian or Malay must consult the department before enrolling.	Semester 1
INMS 1102	Indonesian Introductory 2	6	P INMS 1101 N INMS1301, INMS1302	Semester 2
INMS 2101	Indonesian Intermediate 1	8	P INMS 1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission.	Semester 1
INMS 2102	Indonesian Intermediate 2	8	P INMS2101	Semester 2
INMS 2501	Indonesian In-Country Study A	8	P INMS 1102 or INMS 2101. NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2801	Indonesian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2802	Indonesian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2803	Indonesian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 2804	Indonesian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 3101	Indonesian Advanced 1	8	P INMS 1302 or INMS 2102 or department permission.	Semester 1
INMS 3102	Indonesian Advanced 2	8	P INMS 3101	Semester 2
INMS 3301	Indonesian Advanced 3	8	P INMS 2302 or department permission.	Semester 1
INMS 3302	Indonesian Advanced 4	8	P INMS 3301	Semester 2
INMS 3902	Introduction to Research and Methodology	8	P Credit in INMS 2102 or INMS 2302. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
INMS 4011	Indonesian and Malay Studies Honours A	12	P INMS 3102 or INMS 3302 and INMS 3902, all at Credit level NB: Department permission required for enrolment.	Semester 1, Semester 2
INMS 4012	Indonesian and Malay Studies Honours B	12	C INMS4011	Semester 1, Semester 2
INMS 4013	Indonesian and Malay Studies Honours C	12	C INMS4012	Semester 1, Semester 2
INMS 4014	Indonesian and Malay Studies Honours D	12	C INMS4013	Semester 1, Semester 2
International and Comparative Literary Studies				
ICLS 2001	Comparative Literary Studies	8	P 18 Junior credit points from any department in the Faculty of Arts from Table A of which 12 credit points are from one subject. NB: Comparative Literature (see International Comparative Literary Studies)	Semester 2
ICLS 2002	Major Themes in Modern Literatures	8	P 18 Junior credit points at Junior level from any department in the Faculty of Arts from Table A, of which 12 credit points are from one subject. NB: Comparative Literature (see International Comparative Literary Studies)	Semester 1
Italian Studies				

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ITLN 1101	Beginners' Italian 1	6	N ITLN 1201, ITLN 1301, ITLN 1401. 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.	Semester 1
ITLN 1102	Beginners' Italian 2	6	P ITLN 1101 or equivalent. N ITLN 1202, ITLN 1302, ITLN 1402	Semester 2
ITLN 1201	Intermediate Italian 1	6	P HSC 2UZ Italian or Italian Beginners or equivalent. N ITLN 1101, ITLN 1301, ITLN 1401.	Semester 1
ITLN 1202	Intermediate Italian 2	6	P ITLN 1201 or equivalent. N ITLN 1102, ITLN 1302, ITLN 1402.	Semester 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.	Semester 1
ITLN 1302	Advanced Italian 2	6	P ITLN 1301 or equivalent. N ITLN 1102, ITLN 1202, ITLN 1402	Semester 2
ITLN 1401	Advanced Italian 1 (Native Speakers)	6	P Native-speaker proficiency in Italian. N ITLN 1101, ITLN 1201, ITLN 1301. NB: Department permission required for enrolment. Department permission required for enrolment.	Semester 1
ITLN 1402	Advanced Italian 2 (Native Speakers)	6	P ITLN 1401. N ITLN 1102, ITLN 1202, ITLN 1302. NB: Department permission required for enrolment.	Semester 2
ITLN 2101	Intermediate Italian Language 3	4	P ITLN 1102 or equivalent. N ITLN 2201, ITLN 2301.	Semester 1
ITLN 2201	Intermediate Italian Language 4	4	P ITLN 1202 or High Distinction in ITLN1102 or equivalent. N ITLN 2101, ITLN 2301.	Semester 1
ITLN 2202	Intermediate Italian Language 5	4	P ITLN 2101 or ITLN 2201. N ITLN 2302.	Semester 2
ITLN 2301	Advanced Italian Language 3	4	P ITLN 1302 or ITLN 1402 or equivalent. N ITLN 2101, ITLN 2201.	Semester 1
ITLN 2302	Advanced Italian Language 4	4	P ITLN 2301 or equivalent. N ITLN 2202.	Semester 2
ITLN 2801	Italian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2802	Italian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2803	Italian Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2806	Italian Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2807	Italian Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2808	Italian Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2809	Italian Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 2902	Italian 2 Honours: Cultural History	4	P Credit result in one of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ITLN 3201	Advanced Italian Language 5	4	P ITLN 2202 or equivalent. N ITLN 3301.	Semester 1
ITLN 3202	Advanced Italian Language 6	4	P ITLN 3201 or equivalent. N ITLN 3302	Semester 2
ITLN 3301	Advanced Italian Language 7	4	P ITLN 2302 or equivalent N ITLN 3201, ITLN 3401	Semester 1
ITLN 3302	Advanced Italian Language 8	4	P ITLN 3301 or equivalent. N ITLN 3202, ITLN 3402.	Semester 2
ITLN 3401	Advanced Italian Language 9	4	P ITLN3202 or ITLN3302 or equivalent	Semester 1
ITLN 3402	Advanced Italian Language 10	4	P ITLN3202 or ITLN3302 or equivalent	Semester 2

ITLN 3701	Dante, Inferno	4	A One of ITLN 1302, ITLN 1402, ITLN 2202 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3702	Dante: Purgatorio	4	P ITLN 3701. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ITLN 3715	Texts and Performance	4	A One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402.	Semester 2
ITLN 3752	Italian Sociolinguistics	4	A One of ITLN 1302, ITLN 1402, ITLN 2202. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3753	Italian Language Acquisition	4	A One of ITLN 1302, ITLN 1402, ITLN 2202. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3754	Italian in Contact	4	A One of ITLN 1302, ITLN 1402, ITLN 2202 or equivalent. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
ITLN 3758	Contemporary Italian Poetry	4	A One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
ITLN 3759	Filming Fiction: The Italian Experience	4	A One of ITLN 1102, ITLN 1202, ITLN 1302, ITLN 1402.	Semester 2
ITLN 3763	Youth in Contemporary Italian Literature	4	A ITLN1202, ITLN1302, ITLN1402 or ITLN2202 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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. NB: Department permission required for enrolment.	Semester 1, Semester 2
ITLN 4012	Italian Honours B	12	C ITLN4011	Semester 1, Semester 2
ITLN 4013	Italian Honours C	12	C ITLN4012	Semester 1, Semester 2
ITLN 4014	Italian Honours D	12	C ITLN4013	Semester 1, Semester 2
Japanese Studies				
JPNS 1111	Introductory Japanese 1	6	N JPNS 1113, JPNS 1114	Summer, Winter, Semester 1
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	Semester 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	Semester 1
JPNS 1121	Introductory Japanese 2	6	P JPNS 1111. N JPNS1124, JPNS1123.	Semester 2
JPNS 1123	Introductory Japanese 6	6	P JPNS1113 N JPNS1121, JPNS1124.	Semester 2
JPNS 1124	Introductory Japanese 4	6	P JPNS 1114. N JPNS 1121, JPNS 1123.	Semester 2
JPNS 1801	Japanese Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2212	Intermediate Japanese 1	8	P JPNS1121	Semester 1
JPNS 2213	Intermediate Japanese 3	8	P JPNS1124 or JPNS2222	Semester 1
JPNS 2222	Intermediate Japanese 2	8	P JPNS2212.	Semester 2
JPNS 2223	Intermediate Japanese 4	8	P JPNS2213	Semester 2
JPNS 2301	Japanese Communication Intermediate 5	4	P JPNS1123 or JPNS2223	Semester 1

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JPNS 2302	Japanese Communication Intermediate 6	4	P JPNS 2301	Semester 2
JPNS 2308	Readings in Japanese Linguistics	8	P JPNS 2301	Semester 2
JPNS 2316	Power in Japanese Politics and Society	8	P JPNS1123 or JPNS1125 or JPNS2223 N ASNS2306	Semester 1
JPNS 2326	Japanese Literary Tradition	8	P JPNS1123 or JPNS1125 or JPNS2223	Semester 1
JPNS 2381	In-Country Study - Japan 1	8	P 12 Junior JPNS credit points NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2382	In-Country Study - Japan 2	8	P 12 Junior JPNS credit points. NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2801	Japanese Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2802	Japanese Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2803	Japanese Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2807	Japanese Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2808	Japanese Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 2901	Japanese Special Entry 1	4	P Credit results in 12 Junior JPNS units of study. C JPNS 2212 or JPNS 2213 or JPNS 2301 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
JPNS 2902	Japanese Special Entry 2	4	P JPNS 2901. C JPNS 2222 or JPNS 2223 or JPNS 2302 or JPNS 2502. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
JPNS 3106	Introduction: Japanese Society & Culture	8	P JPNS 1124 or JPNS 2222	Semester 1
JPNS 3116	Contemporary Japanese Literature	8	P JPNS1124 or JPNS2222.	Semester 2
JPNS 3301	Japanese Communication Advanced 1	4	P JPN 2302 or JPNS 2502.	Semester 1
JPNS 3302	Japanese Communication Advanced 2	4	P JPNS 3301.	Semester 2
JPNS 3314	Readings in Japanese Society	8	P JPNS 2302 or JPNS2502	Semester 1
JPNS 3901	Japanese Special Entry 3	4	P Credit results in JPNS2901 and JPNS2902 C JPNS 2213 or JPNS 2301 or JPNS 3301. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
JPNS 3902	Japanese Special Entry 4	4	P JPNS 3901. C JPNS 2223 or JPNS 2302 or JPNS 3302. N ASNS 3902, CHNS 3902, INMS 3902 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
JPNS 4011	Japanese Honours A	12	P Credit result in JPNS 3901 and JPNS 3902. NB: Department permission required for enrolment.	Semester 1, Semester 2
JPNS 4012	Japanese Honours B	12	C JPNS4011	Semester 1, Semester 2
JPNS 4013	Japanese Honours C	12	C JPNS4012	Semester 1, Semester 2
JPNS 4014	Japanese Honours D	12	C JPNS4013	Semester 1, Semester 2
Jewish Civilisation, Thought and Culture				
JCTC 1001	Palestine: Roman Rule to Islam	6		Semester 1
JCTC 1002	Jewish Settlement Outside Palestine	6	P JCTC 1001	Semester 2
JCTC 1801	Jewish Civilization Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2003	Jews Under the Crescent and the Cross	8	P JCTC 1001 or relevant units in Medieval Studies or History NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

JCTC 2004	From Expulsion to Regeneration	8	P JCTC 1001 or relevant units of study in Medieval Studies or History NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
JCTC 2005	From Emancipation to the Holocaust	8	P JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY1031, HSTY 1043, HSTY 1044, HSTY 1045. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
JCTC 2006	The Holocaust: History and Aftermath	8	P JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY1031, HSTY 1043, HSTY 1044, HSTY 1045. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
JCTC 2007	Israel in the Modern Middle East	8	P JCTC 1001 or one of HSTY 1022, HSTY 1025, HSTY1031, HSTY 1043, HSTY 1044, HSTY 1045.	Semester 1
JCTC 2801	Jewish Civilization Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2802	Jewish Civilization Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2803	Jewish Civilization Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2804	Jewish Civilization Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2807	Jewish Civilization Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 2808	Jewish Civilization Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 4011	Judaic Studies Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
JCTC 4012	Judaic Studies Honours B	12	C JCTC4011	Semester 1, Semester 2
JCTC 4013	Judaic Studies Honours C	12	C JCTC4012	Semester 1, Semester 2
JCTC 4014	Judaic Studies Honours D	12	C JCTC4013	Semester 1, Semester 2
Korean				
KRNS 1101	Korean Introductory Level 1	6	N KRNS1301	Semester 1
KRNS 1102	Korean Introductory Level 2	6	P KRNS 1101 N KRNS1302	Semester 2
KRNS 1301	Korean Introductory Level 5	6	N KRNS1101.	Semester 1
KRNS 1302	Korean Introductory Level 6	6	P KRNS 1301 N KRNS 1102	Semester 2
KRNS 1801	Korean Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2001	Intermediate Korean Level 1	8	P KRNS1102 N KRNS2101, KRNS2111	Semester 1
KRNS 2002	Intermediate Korean Level 2	8	P KRNS2001 or KRNS2111 N KRNS2102, KRNS2112	Semester 2
KRNS 2381	In-Country Study - Korea 1	8	P KRNS 1102 or KRNS 1302 NB: Department permission required for enrolment.	Semester 1
KRNS 2382	In-Country Study - Korea 2	8	P KRNS 2102 or KRNS 2312 or KRNS 2381 NB: Department permission required for enrolment.	Semester 2
KRNS 2400	Translation and Interpretation	8	P KRNS1302	Semester 1
KRNS 2515	Issues in Korean Language	8	P KRNS 1302	Semester 2
KRNS 2601	Traditional Korean History	8	P 12 Junior credit points of KRNS N KRNS2501, ASNS2501	Semester 1
KRNS 2602	Modern Korean History	8	P 12 Junior credit points of KRNS. N ASNS2502, KRNS2502	Semester 2
KRNS 2801	Korean Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2802	Korean Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2803	Korean Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2807	Korean Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 2808	Korean Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2

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KRNS 2900	Topics in Korean Studies	4	P Credits in all the first year and the second year first semester KRNS units. C KRNS 2112 or KRNS 2312. N KRNS 2191, 2192, 2391, or 2392.	Semester 2
KRNS 3001	Korean Advanced Level 1	8	P KRNS2002 or KRNS2112 N KRNS3101, KRNS3111	Semester 1
KRNS 3002	Korean Advanced Level 2	8	P KRNS3001 or KRNS3111 N KRNS3102, KRNS3112	Semester 2
KRNS 3901	Preparation for Honours Thesis 1	4	P Credits in the second year KRNS units including KRNS 2900. C KRNS 3111 or KRNS 3311. N KRNS 3191 or KRNS 3391	Semester 1
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. C KRNS 3112 or KRNS 3312. N KRNS 3192 or KRNS 3392.	Semester 2
KRNS 4011	Korean Honours A	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. NB: Department permission required for enrolment.	Semester 1, Semester 2
KRNS 4012	Korean Honours B	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. C KRNS4011	Semester 1, Semester 2
KRNS 4013	Korean Honours C	12	P Credits in all senior KRNS units including KRNS 3901 and KRNS 3902. C KRNS4012	Semester 1, Semester 2
KRNS 4014	Korean Honours D	12	P Credits in all senior KRNS units including KRNS3901and KRNS3902. C KRNS4013	Semester 1, Semester 2
Latin				
LATN 1001	Latin 1.1	6	N LATN1101	Semester 1
LATN 1002	Latin 1.2	6	P LATN 1001 N LATN1102	Semester 2
LATN 1101	Advanced Latin 1.1	6	P HSC Latin Continuers N LATN1001	Semester 1
LATN 1102	Advanced Latin 1.2	6	P LATN 1101. N LATN1002	Semester 2
LATN 1801	Latin Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 1802	Latin Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 2003	Latin 2.1	8	P LATN1002 or LATN 2312.	Semester 1
LATN 2004	Latin 2.2	8	P LATN 2003.	Semester 2
LATN 2103	Advanced Latin 2.1	8	P LATN 1102.	Semester 1
LATN 2104	Advanced Latin 2.2	8	P LATN 2103.	Semester 2
LATN 2301	Accelerated Latin 2.1	4	P 18 junior credit points including 12 credit points in Archaeology, Classical Civilisation, Classical Greek, Ancient History or Philosophy. C 8 senior credit points in Archaeology, Classical Civilisation, Classical Greek, Ancient History or Philosophy. N LATN 1001.	Semester 1
LATN 2302	Accelerated Latin 2.2	4	P LATN 2301. N LATN 1002.	Semester 2
LATN 2312	Accelerated Latin 2 Additional	4	P LATN 2301 C LATN 2302	Semester 2
LATN 2801	Latin Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 2802	Latin Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 2803	Latin Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 2807	Latin Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 2808	Latin Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 2901	Special Latin 2.1	4	P LATN 1002 (credit) or LATN 2302 (credit) C LATN 2003 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

LATN 2902	Special Latin 2.2	4	P LATN 2901 C LATN 2004 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
LATN 2911	Special Advanced Latin 2.1	4	P LATN 1102 (credit) C LATN 2103 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
LATN 2912	Special Advanced Latin 2.2	4	P LATN 2911 C LATN 2104 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
LATN 3005	Latin 3.1	8	P LATN 2004 or LATN 2104	Semester 1
LATN 3006	Latin 3.2	8	P LATN 3005	Semester 2
LATN 3903	Special Latin 3.1	4	P LATN 2902 or LATN 2912 (credits) C LATN 3005 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
LATN 3904	Special Latin 3.2	4	P LATN 3903 C LATN 3006 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
LATN 4011	Latin Honours A	12	P LATN 3006 and LATN 3904 (Credit) NB: Department permission required for enrolment.	Semester 1, Semester 2
LATN 4012	Latin Honours B	12	C LATN4011	Semester 1, Semester 2
LATN 4013	Latin Honours C	12	C LATN4012	Semester 1, Semester 2
LATN 4014	Latin Honours D	12	C LATN4013	Semester 1, Semester 2
Linguistics				
LNGS 1001	Structure of Language	6	N May not be taken as well as LNGS1004 or LNGS1005	Semester 1
LNGS 1002	Language and Social Context	6		Semester 2
LNGS 1005	Structure of English	6	N may not be taken as well as LNGS1001 or LNGS1004	Semester 1
LNGS 1801	Linguistics Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
LNGS 2001	Phonetics and Phonology	8	P One of LNGS1001, LNGS1004, LNGS1005 and one of LNGS1002, LNGS1003 N KRNS 2317 or KRNS 2318. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
LNGS 2002	Syntax	8	P One of LNGS1001, LNGS1004, LNGS1005 and one of LNGS1002, LNGS1003 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
LNGS 2003	Functional Grammar and Discourse	8	P One of LNGS1002, ENGL1050, MECO1001, LNGS1001, LNGS1003, LNGS1004, LNGS1005	Semester 1
LNGS 2004	Discourse Analysis	8	P Two of LNGS1002, ENGL 1050, MECO1001, LNGS1001, LNGS1003, LNGS1004, LNGS1005, LNGS2003	Semester 2
LNGS 2025	Australia's Indigenous Languages	8	P One of LNGS 1001, LNGS1004, LNGS1005 and one of LNGS 1002 or LNGS 1003	Semester 2
LNGS 2027	Computer Applications in Linguistics	8	P LNGS1001 or LNGS1005 and one of LNGS1002, LNGS1003	Semester 1
LNGS 2028	Language Acquisition	8	P Two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005	Semester 2
LNGS 2801	Linguistics Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
LNGS 2802	Linguistics Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
LNGS 2803	Linguistics Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
LNGS 2807	Linguistics Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2

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LNGS 2808	Linguistics Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
LNGS 3026	Semantics and Pragmatics	8	P One of LNGS 2001, LNGS 2002, LNGS 2003, LNGS 2004 NB: Compulsory for Honours students; other students may select as an option. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
LNGS 3912	Media Discourse: Analysing Mass Media	8	P Credit average in 24 senior units in Linguistics (or Media and Communication electives)	Semester 1
LNGS 3923	Cross-Cultural Communication	8	P Credit average in 24 Senior credit points of Linguistics, or of a foreign language.	Semester 2
LNGS 3925	Field Methods	8	P Credit average in 24 Senior credit points of Linguistics including two of the following units: LNGS2001, LNGS2002, LNGS2003 and LNGS2004 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
LNGS 3933	Translation	8	P Credit average in 24 senior credit points in Linguistics	Semester 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.	Semester 1, Semester 2
LNGS 4011	Linguistics Honours A	12	P Credit average in 48 Senior Credits of Linguistics, including LNGS3026 and 3 of LNGS2001, LNGS2002, LNGS2003, LNGS2004 NB: Department permission required for enrolment.	Semester 1, Semester 2
LNGS 4012	Linguistics Honours B	12	C LNGS4011	Semester 1, Semester 2
LNGS 4013	Linguistics Honours C	12	C LNGS4012	Semester 1, Semester 2
LNGS 4014	Linguistics Honours D	12	C LNGS4013	Semester 1, Semester 2
Media and Communications				
MECO 1001	Australian Media Studies	6	NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 1003	Principles of Media Writing	6	N MECO2002 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1
MECO 2001	Radio Broadcasting	8	P 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS1005 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1
MECO 2003	Media Relations	8	P 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS1005 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 2801	Media and Communications Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 2802	Media and Communications Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 2803	Media and Communications Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 2804	Media and Communications Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MECO 3001	Video Production	8	P 12 junior credit points of MECO units; ENG1005 or ENGL1050 or LNS1005 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3002	Online Media Production	8	P MECO3001 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1

MECO 3003	Media, Law and Ethics	8	P 12 junior credit points of MECO units; ENGL1005 or ENGL1050 or LNGS1005 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3005	Media Globalisation	8	P 12 junior credit points of MECO units; ENG1005 or ENGL1050 or LNGS1005 NB: NB: Available to BA (Media & Communication) and BSc (Media & Comm) students only	Semester 1
MECO 3006	Advanced Media Writing	8	P MECO 1003 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 2
MECO 3701	Media and Communications Internship	8	P MECO3002 and MECO 3003 NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.	Semester 1, Semester 2
MECO 3702	Internship Project	8	P MECO3002 & MECO3003 C MECO3701 NB: Available to BA(Media and Commun) and BSc (Media & Communications) students only.	Semester 1, Semester 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 MECO3701 or MECO3702 NB: Department permission required for enrolment. Available to students enrolled in the BA Media & Communications	Semester 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)	Semester 1
MECO 4103	Honours Thesis 1	12	P (MECO4101 and MECO4102) or (MECO4201 and MECO4202) NB: Department permission required for enrolment. Available to students enrolled in the BA Media and Communications only	Semester 2
MECO 4104	Honours Thesis 2	12	NB: Department permission required for enrolment.	Semester 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	Semester 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	Semester 1
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.	Semester 1
MDST 2008	The First Crusade	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.	Semester 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. NB: Department permission required for enrolment.	Semester 1, Semester 2
MDST 4012	Medieval Studies Honours B	12	C MDST4011	Semester 1, Semester 2
MDST 4013	Medieval Studies Honours C	12	C MDST4012	Semester 1, Semester 2
MDST 4014	Medieval Studies Honours D	12	C MDST4013	Semester 1, Semester 2
Modern Greek				
MGRK 1101	Basic Modern Greek A	6		Semester 1
MGRK 1102	Basic Modern Greek B	6	P MGRK 1101.	Semester 2

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MGRK 1401	Modern Greek A	6	P Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency determined by the Department. N MGRK1101	Semester 1
MGRK 1402	Modern Greek B	6	P MGRK1401 or equivalent language proficiency N MGRK1101, MGRK1102.	Semester 2
MGRK 1501	Cultural and Historical Survey A	3	N MGRK1401	Semester 1
MGRK 1502	Cultural and Historical Survey B	3	P MGRK 1501 or special permission from the Chair of Department. N MGRK1402	Semester 2
MGRK 2001	Intermediate Modern Greek A	8	P MGRK 1102.	Semester 1
MGRK 2002	Intermediate Modern Greek B	8	P MGRK 2001.	Semester 2
MGRK 2203	Style and Expression	4	P MGRK1402 or MGRK 2002.	Semester 1
MGRK 2204	Comparison of Greek and English	4	P MGRK1402 or MGRK2002	Semester 2
MGRK 2503	Origins of Modern Greek Culture	4	P 12 Junior credit points of Modern Greek or special permission	Semester 2
MGRK 2508	Greek Modernism	4	P 12 Junior credit points in any Modern Greek subject or special permission.	Semester 1
MGRK 2511	Byzantine Culture and Art	4	P 12 Junior credit points in any subject	Semester 1
MGRK 2513	Social Norms/Stereotypes in Greek Cinema	4	P 12 credit points of Junior Modern Greek	Semester 2
MGRK 2525	New Testament Greek and its World A	8	P 12 Junior credit points in any subject.	Semester 1
MGRK 2526	New Testament Greek and its World B	8	P 12 Junior credit points in any subject.	Semester 2
MGRK 2801	Modern Greek Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 2802	Modern Greek Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 2803	Modern Greek Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 2807	Modern Greek Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 2808	Modern Greek Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 2904	Sociolinguistics in the Greek Diaspora	4	P A Special Entry Eligibility form signed by the Chair of Department. NB: Department permission required for enrolment.	Semester 1
MGRK 3207	Varieties and Registers	4	P MGRK1402 or special permission from the Department N MGRK3205	Semester 2
MGRK 3210	Theory and Practice of Translation A	4	P MGRK1402 or special permission from the Department	Semester 1
MGRK 3901	Theories of Literature	4	P A Special Entry Eligibility form signed by the Chair of Department NB: Department permission required for enrolment.	Semester 2
MGRK 4011	Modern Greek Honours A	12	P A major in Modern Greek plus 16 additional credit points which must include MGRK2904 and 3901. NB: Department permission required for enrolment.	Semester 1, Semester 2
MGRK 4012	Modern Greek Honours B	12	C MGRK4011	Semester 1, Semester 2
MGRK 4013	Modern Greek Honours C	12	C MGRK4012	Semester 1, Semester 2
MGRK 4014	Modern Greek Honours D	12	C MGRK4013	Semester 1, Semester 2
Music				
SSCP 1001	Performing Australia	6		Semester 1
SSCP 1002	A Global Sound: African American Music	6		Semester 2
MUSC 1501	Concepts of Music	6	P At least 67% in the NSW HSC Music 2 or 3-unit Music Extension or the equivalent skills as determined by the Department of Music. N MUSC 1503, 1504 NB: The Department holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses and believe they have the equivalent aural and harmonic skills to attend Concepts of Music, please phone the department for details by the end of February.	Semester 2
MUSC 1503	Fundamentals of Music I	6	N MUSC 1501	Semester 1

MUSC 1504	Fundamentals of Music II	6	A Material covered in MUSC1503. Students interested in taking this course who have not completed MUSC1503 must see the lecturer beforehand to ascertain that they have the required knowledge. N MUSC 1501	Semester 2
MUSC 1506	Music in Western Culture	6	A The ability to follow a musical score while listening to the music.	Semester 1
MUSC 2009	Introduction to Medieval Music	4	P 48 Junior credit points and the ability to follow a score while listening to the music. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 2010	Advanced Concepts 1	4	P MUSC 1501 or MUSC 1504	Semester 1
MUSC 2012	Advanced Concert Performance 1	4	P 18 junior credit points in no more than two subject areas, AND audition (contact the department one week before semester begins) C MUSC 2012 & MUSC 2013 must be taken over two consecutive semesters. NB: Department permission required for enrolment.	Semester 1
MUSC 2013	Advanced Concert Performance 2	4	P MUSC 2012. C MUSC 2012 & MUSC 2013 must be taken over two consecutive semesters.	Semester 2
MUSC 2018	Large Ensemble 1	4	P 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. NB: Department permission required for enrolment.	Semester 1
MUSC 2019	Large Ensemble 2	4	P MUSC 2018.	Semester 2
MUSC 2026	Australian Aboriginal Music	4	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. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
MUSC 2029	Introduction to Opera Studies	4	P 12 junior credit points in music. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
MUSC 2041	Twentieth Century Harmony	4	P MUSC 1504 or MUSC 1501. MUSC 1503 may be accepted upon the lecturer's discretion.	Semester 1
MUSC 2053	Sound and Music for Multimedia	4	A Familiarity with basic computer operation. P 18 Junior credit points in no more than two subject areas.	Semester 2
MUSC 2054	Popular Music	4	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. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 2107	Classicism in Music	4	P 12 junior music credits.	Semester 2
MUSC 2501	Australian and Asian Music	8	P 12 junior music credit points.	Semester 1
MUSC 2502	European Art - Music Traditions	8	P 12 junior music credit points	Semester 2
MUSC 2610	Composition Workshop 1	4	P 12 junior credits in music.	Semester 2
MUSC 2611	Composition Workshop 2	4	P MUSC 2610	Semester 2
MUSC 2801	Music Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 2802	Music Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 2803	Music Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 2807	Music Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 2808	Music Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 2902	Harmony and Counterpoint	4	P 12 junior credits in Music with credit average, students will normally have completed MUSC 2010. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

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MUSC 2903	Fieldwork, Ethnography and Transcription	4	P 12 junior music credit points. Students will normally have completed either MUSC 1501 or MUSC 1504. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
MUSC 3010	Indigenous Australia: The Yolngu Way	6	P KOGR 2100 Indigenous Australia	Semester 1
MUSC 3011	Indigenous Australia: Garma Fieldwork	6	P KOGR 2100 Indigenous Australia and MUSC3010 Indigenous Australia: The Yolngu Way	Semester 2a
MUSC 3104	Advanced Concert Performance 3	4	P MUSC 2013. C MUSC 3104 and 3105 must be taken over two consecutive semesters.	Semester 1
MUSC 3105	Advanced Concert Performance 4	4	P MUSC 3104. C MUSC 3104 and 3105 must be taken over two consecutive semesters.	Semester 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) NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 3905	Musicology 2	4	P MUSC 3904. Mandatory prerequisite for Music IV Honours (BA/BMus or BMus).	Semester 1
MUSC 3906	Special Studies in Ethnomusicology 1	4	P 18 junior credit points.	Semester 2
MUSC 3908	Music Analysis	4	P MUSC 2903 and MUSC 2902. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
MUSC 4011	Music Honours A	12	P Average credit results in senior music units totalling 32, as well as 4 special entry units: MUSC 2902, MUSC 2903, MUSC 3904 & MUSC 3908. N MUSC4021, MUSC4022, MUSC4023, MUSC4024, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044 NB: Department permission required for enrolment.	Semester 1, Semester 2
MUSC 4012	Music Honours B	12	C MUSC4011 N MUSC4021, MUSC4022, MUSC4023, MUSC4024, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044	Semester 1, Semester 2
MUSC 4013	Music Honours C	12	C MUSC4012 N MUSC4021, MUSC4022, MUSC4023, MUSC4024, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044	Semester 1, Semester 2
MUSC 4014	Music Honours D	12	C MUSC4013 N MUSC4021, MUSC4022, MUSC4023, MUSC4024, MUSC4031, MUSC4032, MUSC4033, MUSC4034, MUSC4041, MUSC4042, MUSC4043, MUSC4044	Semester 1, Semester 2
Pali (no major available) - not offered in 2005				
Performance Studies				
SSCP 1001	Performing Australia	6		Semester 1
SSCP 1002	A Global Sound: African American Music	6		Semester 2
PRFM 1801	Performance Studies Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
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.	Semester 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.	Semester 2
PRFM 2801	Performance Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2

PRFM 2802	Performance Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 2803	Performance Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 2804	Performance Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 2807	Performance Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 2808	Performance Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 3005	Flexible Performance	4	P PRFM 2001 & PRFM 2002.	Semester 2
PRFM 3012	Sociology of Theatre	4	P PRFM 2001 and PRFM 2002.	Semester 2
PRFM 3016	The Playwright in the Theatre	8	P PRFM 2001 and PRFM 2002	Semester 1
PRFM 3019	Performance Analysis and Documentation	8	P PRFM2001 & PRFM2002 N PRFM3002	Semester 1
PRFM 3021	Embodied Histories	8	P PRFM 2001 and PRFM 2002	Semester 2
PRFM 3022	Theories of Acting	8	P PRFM 2001 and PRFM 2002.	Semester 2
PRFM 3023	Intercultural Performance	4	P PRFM 2001 and PRFM 2002	Semester 2
PRFM 3025	Anthropology of Performance	8	P PRFM 2001 and PRFM 2002. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PRFM 3028	Performance: Hybridity and Appropriation	4	P PRFM 2001 & PRFM 2002	Semester 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. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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. NB: Department permission required for enrolment.	Semester 1, Semester 2
PRFM 4012	Performance Studies Honours B	12	C PRFM4011	Semester 1, Semester 2
PRFM 4013	Performance Studies Honours C	12	C PRFM4012	Semester 1, Semester 2
PRFM 4014	Performance Studies Honours D	12	C PRFM4013	Semester 1, Semester 2
Philosophy				
PHIL 1010	Society, Knowledge and Reason	6	N PHIL1001 and PHIL1002	Semester 2
PHIL 1011	Reality, Ethics and Beauty	6	N PHIL1003, 1004, 1006, 1008	Semester 1
PHIL 1012	Introductory Logic	6		Semester 2
PHIL 1016	Mind and Morality HSC	6		Summer, Winter
PHIL 1801	Philosophy Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2004	Descartes and Continental Philosophy	8	P 12 Junior credit points in Philosophy N PHIL 3004 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 2005	Locke and Empiricism	8	P 12 Junior credit points in Philosophy N PHIL3005	Semester 2
PHIL 2013	Plato and Aristotle	8	P 12 Junior credit points in Philosophy. N PHIL 3013	Semester 2
PHIL 2203	Elementary Logic	8	P 12 junior credit points in Philosophy. N PHIL 1012, 3203, 2201, 3201.	Semester 2
PHIL 2211	Problems of Empiricism	8	P 12 Junior credit points in Philosophy. N PHIL 3211	Semester 1
PHIL 2213	Philosophy of Mind	8	P 12 Junior credit points in Philosophy N PHIL 3213 and 2205 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer, Semester 1

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PHIL 2215	Intermediate Logic	8	P 12 Junior credit points in Philosophy, and PHIL1012 or PHIL2203. N PHIL 3215 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2219	Philosophy of Mathematics	8	P 12 Junior credit points in Philosophy N PHIL 3219 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2220	Probability and Decision Theory	8	P 12 Junior credit points in Philosophy NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 2226	Philosophy and Psychoanalysis	8	P 12 Junior credit points in Philosophy. N PHIL2207, PHIL3207, and PHIL3226.	Semester 1
PHIL 2227	Philosophy and Psychiatry	8	P 12 Junior credit points in Philosophy.	Semester 2
PHIL 2238	Husserl's Phenomenology	8	P 12 Junior credit points in Philosophy. N PHIL 2402, 3402	Semester 1
PHIL 2239	Heidegger's Phenomenology	8	P 12 Junior credit points in Philosophy N PHIL3239	Semester 2
PHIL 2240	Sustainability, System and Society	8	P 12 Junior credit points. NB: NB: This course is taught in collaboration with the Department of Design, Faculty of Design, Building and Architecture, UTS.	Semester 2
PHIL 2507	Indigenous Rights	8	P 12 junior credit points in philosophy N PHIL 3507	Semester 2
PHIL 2510	Philosophy of Law	8	P 12 Junior credit points in Philosophy. N PHIL 3510 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 2512	History of Ethics	8	P 12 Junior credit points in Philosophy N PHIL 3512	Semester 1
PHIL 2513	Moral Psychology	8	P 12 Junior credit points in Philosophy. N PHIL 3513. NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
PHIL 2514	Democratic Theory	8	P 12 junior credit points in Philosophy. N PHIL3514	Semester 2
PHIL 2517	Practical Ethics	8	P 12 junior credit points in Philosophy. NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Summer, Semester 2
PHIL 2518	Aesthetics and Art	8	P 12 Junior credit points in Philosophy. NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2532	Theories of Modernity 2	8	P 12 junior credit points in Philosophy N PHIL 3532 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2533	Theories of Modernity 1	8	P 12 junior credit points in Philosophy. N PHIL1007 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

PHIL 2535	Contemporary Political Philosophy	8	P 12 Junior credit points in Philosophy. N PHIL3535. NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 2801	Philosophy Exchange	8	P 12 Junior Credit Points in Philosophy NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2802	Philosophy Exchange	8	P 12 Junior Credit Points in Philosophy NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2803	Philosophy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2807	Philosophy Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 2808	Philosophy Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 3011	Kant	8	P 16 senior credit points in Philosophy. N PHIL 3021	Semester 1
PHIL 3012	Origins of Analytic Philosophy	8	P 16 Senior credit points in Philosophy N PHIL 3022 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 3038	Hegel	8	P 16 Senior credit points in Philosophy. N PHIL 3509	Semester 2
PHIL 3039	Hellenistic Philosophy	8	P 12 junior credit points in Philosophy	Semester 1
PHIL 3212	Philosophy of Modern Physics	8	P 16 senior credit points in Philosophy. N PHIL 3223 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
PHIL 3214	Philosophical Logic	8	P 12 junior credit points in Philosophy, including PHIL1012 or PHIL2203. N PHIL2204, 3204	Semester 1
PHIL 3218	Pre-Honours Seminar	8	P 24 Senior credit points in Philosophy.	Semester 1
PHIL 4011	Philosophy Honours A	12	P 48 points of Philosophy at Senior level, with a credit average or better, and including 8 points from each of the three programs (History of Philosophy; Epistemology, Metaphysics & Logic; Moral & Political Philosophy). Intending Honours students are strongly encouraged to take the Pre-honours Seminar (PHIL3218), and to discuss their course choices with the Honours Coordinator at the beginning of their third year. The Department places importance on the breadth of the philosophical education of its Honours graduates, and encourages intending Honours students to avoid over-specialisation at Senior level. NB: Department permission required for enrolment.	Semester 1, Semester 2
PHIL 4012	Philosophy Honours B	12	C PHIL4011	Semester 1, Semester 2
PHIL 4013	Philosophy Honours C	12	C PHIL4012	Semester 1, Semester 2
PHIL 4014	Philosophy Honours D	12	C PHIL4013	Semester 1, Semester 2
Studies in Religion				
RLST 1001	Introduction to History of Religions (A)	6		Semester 1
RLST 1002	Introduction to History of Religions (B)	6		Summer, Semester 2
RLST 1002	Introduction to History of Religions (B)	6		Summer, Semester 2
RLST 1801	Religious Studies Exchange	6	N Department permission required for enrolment. NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2001	Myth and Religion of the Germans	8	P 12 Junior credit points of Religion Studies, or the equivalent to be assessed by the Department	Semester 2

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RLST 2009	Buddhism	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
RLST 2014	Philosophy-Religion(B) - Reason & Belief	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	Semester 1
RLST 2017	Australian Aboriginal Religions	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 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	Semester 2
RLST 2021	Issues in Religion and World History	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	Semester 1
RLST 2022	Chinese Religions	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	Semester 1
RLST 2024	The Birth of Christianity	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department.	Semester 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	Semester 2
RLST 2027	Religion in Multicultural Australia	8	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department. NB: This unit is available as a designated Advanced unit to students enrolled in the BA (Advanced) degree program	Semester 1
RLST 2028	Religion and Film	8		Summer
RLST 2801	Religious Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2802	Religious Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2803	Religious Studies Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2807	Religious Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 2808	Religious Studies Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 4011	Religious Studies Honours A	12	P Credit average in 32 senior credit points of Studies in Religion. NB: Department permission required for enrolment.	Semester 1, Semester 2
RLST 4012	Religious Studies Honours B	12	C RLST4011	Semester 1, Semester 2
RLST 4013	Religious Studies Honours C	12	C RLST4012	Semester 1, Semester 2
RLST 4014	Religious Studies Honours D	12	C RLST4013	Semester 1, Semester 2
Sanskrit				
SANS 1001	Sanskrit Introductory 1	6		Semester 1
SANS 1002	Sanskrit Introductory 2	6	P SANS 1001	Semester 2
SANS 2001	Sanskrit Intermediate 1	8	P SANS 1002	Semester 1
SANS 2002	Sanskrit Intermediate 2	8	P SANS 2001	Semester 2
SANS 2901	Sanskrit Research Preparation 1	4	P Credit result in SANS 1002. C SANS 2001	Semester 1
SANS 2902	Sanskrit Research Preparation 2	4	P SANS 2901, Credit result in SANS 2001. C SANS 2002	Semester 2
SANS 3001	Sanskrit Advanced 1	8	P SANS 2002	Semester 1
SANS 3002	Sanskrit Advanced 2	8	P SANS 3001	Semester 2
SANS 3901	Sanskrit Research Preparation 3	4	P Credit result in SANS 2002, SANS 2901, SANS 2902. C SANS 3001	Semester 1
SANS 3902	Sanskrit Research Preparation 4	4	P SANS 3901, Credit result in SANS 3001. C SANS 3002	Semester 2
SANS 4001	Sanskrit IV Honours A	12	P Credit results in SANS 2901, SANS 2902, SANS 3901, SANS 3902. NB: Department permission required for enrolment.	Semester 1, Semester 2
SANS 4002	Sanskrit IV Honours B	12	C SANS4001	Semester 1, Semester 2
SANS 4003	Sanskrit IV Honours C	12	C SANS4002	Semester 1, Semester 2

SANS 4004	Sanskrit IV Honours D	12	C SANS4003	Semester 1, Semester 2
Social Policy				
SCPL 3001	Australian Social Policy	8	P SCLG1001 & SCLG1002	Semester 1
SCPL 3002	Contesting Social Policies	8	P SCLG1001 & SCLG1002	Semester 2
Social Sciences				
SSCI 1003	Exploring the Social Sciences	6	NB: Bachelor of Social Sciences only	Semester 1
SSCI 2001	Social, Political and Economic Thought 1	8	NB: Department permission required for enrolment. N.B. BA (Social Sciences) only	Semester 1
SSCI 2002	Social, Political and Economic Thought 2	8	P (SSCI1003 and SSCI2001) or SSCI1001 or students who enrolled in SSCI2001 prior to 2005 NB: Bachelor of Social Sciences only	Semester 2
SSCI 3001	Social Sciences Internship	16	P SSCI1003 or SSCI2001, SSCI2002, STAT1021 NB: Bachelor of Social Sciences only	Semester 1, Semester 2
SSCI 3002	Internship Research Paper	8	P SSCI1003 or SSCI2001, SSCI2002 C SSCI3001 NB: Bachelor of Social Sciences only	Semester 1, Semester 2
Sociology				
SCLG 1001	Introduction to Sociology 1	6		Semester 1
SCLG 1002	Introduction to Sociology 2	6		Semester 2
SCLG 1801	Sociology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2501	Contemporary Cultural Issues	8	P SCLG 1001 and SCLG 1002.	Semester 2
SCLG 2504	Science, Technology and Social Change	8	P SCLG 1001 and SCLG 1002.	Semester 2
SCLG 2509	Comparative Sociology of Welfare States	8	P SCLG1001 and SCLG1002 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
SCLG 2510	Self and Society	8	P SCLG 1001 and SCLG 1002	Semester 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	Semester 1
SCLG 2521	Social Inquiry: Research Methods	8	P SCLG 1001 and SCLG 1002 or SCWK2003 N Students may not enrol in SCLG 2521 if they have previously completed SCLG 2002 Social Inquiry: Research Methods in Sociology	Semester 2
SCLG 2522	Sociology of Childhood and Youth	8	P SCLG 1001 and SCLG 1002.	Semester 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	Semester 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	Semester 2
SCLG 2526	Sociology of Health and Illness	8	P SCLG1001 & SCLG1002	Semester 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 NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
SCLG 2535	Law and Social Theory	8	P SCLG1001 and SCLG1002. NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 2
SCLG 2536	Social Justice Law and Society	8	P SCLG1001 and SCLG1002. N Students may not enrol in SCLG2536 if they have previously completed SCLG2017 Social Justice Law and Society. NB: NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

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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 SCLG1001 and SCLG1002 N Students may not enrol in SCLG2537 if they have previously completed SCLG2018 Media in Contemporary Society	Semester 2
SCLG 2566	Violence, Imaginaries and Symbolic Power	8	P SCLG1001 and SCLG1002 NB: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1
SCLG 2570	Social Movements and Policy Making	8	P SCLG1001 and SCLG1002	Semester 1
SCLG 2801	Sociology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2802	Sociology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2803	Sociology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2804	Sociology Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2807	Sociology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 2808	Sociology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 3002	Contemporary Sociological Theory	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.	Semester 1
SCLG 3003	Empirical Sociological Methods	8	P SCLG 1001 and SCLG 1002.	Semester 2
SCLG 4011	Sociology Honours A	12	P Credit average in 32 credit points of Senior level Sociology . NB: Department permission required for enrolment.	Semester 1, Semester 2
SCLG 4012	Sociology Honours B	12	C SCLG4011	Semester 1, Semester 2
SCLG 4013	Sociology Honours C	12	C SCLG4012	Semester 1, Semester 2
SCLG 4014	Sociology Honours D	12	C SCLG4013	Semester 1, Semester 2
Spanish				
SPAN 1001	Introductory Spanish 1	6	N Not to be taken by students with prior knowledge of Spanish.	Summer, Semester 1
SPAN 1001	Introductory Spanish 1	6	N Not to be taken by students with prior knowledge of Spanish.	Summer, Semester 1
SPAN 1002	Introductory Spanish 2	6	P SPAN 1001 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.	Semester 2
SPAN 1801	Spanish Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 1802	Spanish Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 2001	Intermediate Spanish 1	8	P SPAN 1002 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.	Semester 1
SPAN 2002	Intermediate Spanish 2	8	P SPAN 2001.	Semester 2
SPAN 3801	Spanish Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 3802	Spanish Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 3803	Spanish Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 3806	Spanish Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 3807	Spanish Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 3808	Spanish Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
SPAN 3809	Spanish Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
Thai (may not be offered after 2005)				

THAI 1101	Thai Introductory Spoken 1	6	NB: It is recommended that beginning students take THAI 1101 plus THAI 1103 in First Semester, then THAI 1102 plus THAI 1104 in Second Semester	Semester 1
THAI 1102	Thai Introductory Spoken 2	6	P Thai 1101 or proficiency in spoken Thai equivalent to that attained in Thai 1101 NB: It is recommended that beginning students take THAI 1102 plus THAI 1104 in Second Semester.	Semester 2
THAI 1103	Thai Introductory Written 1	3	A Proficiency in spoken Thai equivalent to that attained in THAI 1101 or THAI 1105 N THAI1105	Semester 1
THAI 1104	Thai Introductory Written 2	3	A Proficiency in spoken Thai equivalent to that attained in THAI 1102 or THAI 1106, plus limited knowledge of written Thai. P THAI 1103 or THAI 1105 or department permission N THAI1106	Semester 2
THAI 2101	Thai Intermediate 1	8	P THAI 1104 or THAI 1106 or department permission.	Semester 1
THAI 2102	Thai Intermediate 2	8	P THAI 2101 or departmental permission.	Semester 2
THAI 3101	Thai Advanced 1	8	P THAI 2102 or department permission.	Semester 1
THAI 3102	Thai Advanced 2	8	P THAI 3101 or department permission.	Semester 2
Yiddish				
YDDH 1101	Yiddish B1	6		Semester 1
YDDH 1102	Yiddish B2	6	P YDDH 1101	Semester 2
YDDH 2103	Yiddish B3	8	P YDDH 1102	Semester 1
YDDH 2104	Yiddish B4	8	P YDDH 2103	Semester 2
YDDH 3105	Yiddish B5	8	P YDDH 2104	Semester 1
YDDH 3106	Yiddish B6	8	P YDDH 3105	Semester 2

Arts units - Table B

Unit of Study	CP	A: Assumed knowledge P: Prerequisites Q: Qualifying C: Corequisites 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) NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.	Summer, Semester 1
BIOL 1002	Living Systems	6	A HSC 2-unit Biology. Students who have not undertaken an HSC biology course are strongly advised to complete a biology bridging course before lectures commence. N BIOL1902	Semester 2
BIOL 1003	Human Biology	6	A HSC 2-unit Biology N BIOL1903 or EDUH1016	Summer, Semester 2
BIOL 1101	Biology - Ecosystems to Genes	6	P HSC 2-unit Biology or equivalent. N BIOL (1001 or 1901) NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.	Semester 1
BIOL 1901	Biology - Ecosystems to Genes (Advanced)	6	P UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. N BIOL (1001 or 1101) NB: Department permission required for enrolment. It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.	Semester 1

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BIOL 1902	Living Systems (Advanced)	6	P UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. N BIOL (1002 or 1904 or 1905) NB: Department permission required for enrolment.	Semester 2
BIOL 1903	Human Biology (Advanced)	6	P UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. N BIOL (1003 or 1904 or 1905) or EDUH1016 NB: Department permission required for enrolment.	Semester 2
BIOL 2011	Invertebrate Zoology	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. P BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL (2001 or 2101 or 2901 or 2911) NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 1
BIOL 2012	Vertebrates and their Origins	6	A The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. P BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL (2002 or 2102 or 2912 or 2902) NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 2
BIOL 2016	Cell Biology	6	P 12 credit points of Junior Biology or EDUH1016 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. N BIOL (2006 or 2106 or 2906) NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 1
BIOL 2017	Entomology	6	A BIOL (2001 or 2901 or 2011 or 2911) P 12 credit points of Junior Biology N BIOL2007 NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 2
BIOL 2911	Invertebrate Zoology (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and 6 credit points of Junior Physics) These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL (2001 or 2101 or 2011 or 2901). NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 1

BIOL 2912	Vertebrates and their Origins (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and 6 credit points of Junior Physics) These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL (2002 or 2902 or 2102 or 2012). NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 2
BIOL 2916	Cell Biology (Advanced)	6	P Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) and 12 cp of Junior Chemistry. N BIOL (2006 or 2106 or 2906 or 2016). NB: The completion of 6 credit points of MBLG units of study is highly recommended. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course.	Semester 1
BIOL 3011	Ecophysiology	6	P 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). N BIOL3911. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1b
BIOL 3013	Marine Biology	6	A MARS2002 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 BIOL3913. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1b
BIOL 3014	Biology of Terrestrial Vertebrates	6	P 16 credit points of Intermediate Biology. N BIOL3914. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1a
BIOL 3015	Plant Systematics and Biogeography	6	P 16 credit points of Intermediate Biology including BIOL (2004 or 2904). N BIOL3915. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BIOL3917. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1a
BIOL 3021	Plant Development	6	P 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). N BIOL3931. NB: The completion of 6 credit points of MBLG is highly recommended. This unit will not be available from 2006.	Semester 2a
BIOL 3022	Plant Physiology	6	P 16 credit points of Intermediate Biology including BIOL (2003 or 2006 or 2903 or 2906). N BIOL3932. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 2b

5. Arts units of study

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 BIOL3923, MARS3102 NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BMED2502. N BIOL3925, BIOL3928 NB: In 2006 the MBLG prerequisites will be replaced by 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).	Semester 2a
BIOL 3026	Developmental Genetics	6	P MBLG (2001 or 2901) and MBLG (2002 or 2902) or 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. N BIOL3926, BIOL3929 NB: In 2006 the MBLG prerequisites will be replaced by 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).	Semester 2b
BIOL 3027	Bioinformatics and Genomics	6	P MBLG (2001 or 2101 or 2901) and MBLG (2002 or 2902) 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 BIOL3927 NB: A recommended unit of study for third year students enrolled in the BSc (Bioinformatics) degree. In 2006 the prerequisites will be: MBLG (2771 or 2871)	Semester 1b
BIOL 3040	Marine Ecology	6	P 16 credit points of Intermediate Biology. C BIOL (3023 or 3923). N BIOL3940, MARS3102 NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 2b
BIOL 3041	Terrestrial Ecology	6	P BIOL (2001 or 2901) and BIOL (2002 or 2902) C BIOL (3023 or 3923) N BIOL (3941 or 3024 or 3924) NB: The completion of 6 credit points of MBLG units is highly recommended. From 2006 the prerequisites will be: BIOL (2011 or 2911) and BIOL (2012 or 2912)	Semester 2b
BIOL 3042	Plant Ecology	6	P 16 credit points of Intermediate Biology including BIOL (2004 or 2904). C BIOL (3023 or 3923). N BIOL3942	Semester 2b
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 BIOL3011 NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BIOL3012. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 1b

BIOL 3913	Marine Biology (Advanced)	6	A MARS2002 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 BIOL3013. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BIOL3014. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BIOL3015. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BIOL3017. NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BIOL3023, MARS3102 NB: The completion of 6 credit points of MBLG units is highly recommended.	Semester 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 BMED2502. These requirements may be varied and students with lower averages should consult the unit Executive Officer. N BIOL (3025 or 3928). NB: In 2006 the prerequisites will be: Distinction average in 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).	Semester 2a
BIOL 3926	Developmental Genetics (Advanced)	6	P Distinction average in 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 Distinction in BMED2502. These requirements may be varied and students with lower averages should consult the unit Executive Officer. N BIOL (3026 or 3929). NB: In 2006 the prerequisites will be: 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).	Semester 2b

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BIOL 3927	Bioinformatics and Genomics (Advanced)	6	<p>P Distinction MBLG (2001 or 2901) and MBLG (2002 or 2902) 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 consult the unit Executive Officer.</p> <p>N BIOL3027.</p> <p>NB: A recommended unit of study for third year students enrolled in the BSc (Bioinformatics) degree. In 2006 the prerequisites will be: MBLG (2771 or 2871) and MBLG (2002 or 2902) or Distinction average in 12 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2004 or 2904 or 2006 or 2906).</p>	Semester 1b
BIOL 3931	Plant Development (Advanced)	6	<p>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.</p> <p>N BIOL3021.</p> <p>NB: The completion of 6 credit points of MBLG units of study is highly recommended. This unit will not be available from 2006.</p>	Semester 2a
BIOL 3932	Plant Physiology (Advanced)	6	<p>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 contact the unit Executive Officer.</p> <p>N BIOL3022.</p> <p>NB: The completion of 6 credit points of MBLG units of study is highly recommended.</p>	Semester 2b
BIOL 3940	Marine Ecology (Advanced)	6	<p>P Distinction average in 16 credit points of Intermediate Biology.</p> <p>C BIOL (3023 or 3923).</p> <p>N BIOL (3040 or 3024 or 3924), MARS3102</p> <p>NB: From 2006 the prerequisites will be: Distinction average in 12 cp of Intermediate Biology</p>	Semester 2b
BIOL 3941	Terrestrial Ecology (Advanced)	6	<p>P Distinction average in BIOL (2001 or 2901) and (2002 or 2902)</p> <p>C BIOL (3023 or 3923)</p> <p>N BIOL (3041 or 3924 or 3024)</p> <p>NB: The completion of 6 credit points of MBLG units is highly recommended. From 2006 the prerequisites will be: Distinction average in BIOL (2011 or 2911) and BIOL (2012 or 2912)</p>	Semester 2b
BIOL 3942	Plant Ecology (Advanced)	6	<p>P Distinction average in 16 credit points of Intermediate Biology including BIOL (2004 or 2904).</p> <p>C BIOL (3023 or 3923).</p> <p>N BIOL3042.</p> <p>NB: The completion of 6 credit points of MBLG units is highly recommended.</p>	Semester 2b
MBLG 1001	Molecular Biology and Genetics (Intro)	6	<p>A 6 credit points of Junior Biology and 6 cp of Junior Chemistry</p> <p>N AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (2101 or 2901 or 2001 or 2111)</p>	Semester 2
MBLG 2001	Molecular Biology and Genetics A	8	<p>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 Co-ordinator. For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF</p> <p>N AGCH 2001 or BCHM (2001 or 2101 or 2901) or MBLG (1001 or 2771 or 2871 or 2101 or 2901)</p>	Summer
MBLG 2072	Molecular Biology and Genetics B	6	<p>A One of MBLG2771, MBLG2001, MBLG2871, MBLG2901</p> <p>P 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901)</p> <p>N MBLG2972, MBLG2102, MBLG2002, MBLG2902</p>	Semester 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).	Summer
MBLG 2771	Molecular Biology and Genetics A	6	P BIOL (1001 or 1101 or 1901) except for students co-enrolled in BCHM 2071/2971 and 12 credit points of Junior Chemistry. For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF N MBLG (1001, 2871, 2071, 2971, 2001, 2101, 2901, 2111)	Semester 1
MBLG 2871	Molecular Biology and Genetics A (Adv)	6	P BIOL (1001,1101 or 1901) except for students co-enrolled in BCHM 2071/2971 and 12 credit points of Junior Chemistry. 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 two of the prerequisite units of study. N MBLG (1001 or 2771 or 2071 or 2971 or 2001 or 2101 or 2901 or 2111) NB: The completion of 6 credit points of MBLG units of study is highly recommended.	Semester 1
MBLG 2972	Molecular Biology and Genetics B (Adv)	6	P Distinction in one of MBLG2771, MBLG2001, MBLG2871, MBLG2901. N MBLG (2072, 2102, 2002, 2902), BIOL (2005, 2105, 2905)	Semester 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 CHEM 1101 or 1901 or 1903 or 1905 or 1906 or 1909	Semester 1
CHEM 1002	Fundamentals of Chemistry 1B	6	P CHEM (1001 or 1101) or equivalent N CHEM (1102 or 1902 or 1904 or 1907 or 1908)	Semester 2
CHEM 1101	Chemistry 1A	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1001 or 1901 or 1903 or 1905 or 1906 or 1909)	Summer, Semester 1, Semester 2
CHEM 1101	Chemistry 1A	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1001 or 1901 or 1903 or 1905 or 1906 or 1909)	Summer, Semester 1, Semester 2
CHEM 1102	Chemistry 1B	6	P CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM (1002 or 1902 or 1904 or 1907 or 1908)	Summer, Semester 1, Semester 2
CHEM 1611	Chemistry A (Pharmacy)	6	A HSC Chemistry and Mathematics	Semester 1
CHEM 1612	Chemistry B (Pharmacy)	6	C CHEM 1611 Chemistry A (Pharmacy)	Semester 2
CHEM 1901	Chemistry 1A (Advanced)	6	P UAI of at least 96.4 and HSC Chemistry result >80, or Distinction or better in a University level Chemistry unit, or by invitation C Recommended concurrent unit of study: 6 credit points of Junior Mathematics N CHEM (1001 or 1101 or 1903 or 1905 or 1906 or 1909) NB: Department permission required for enrolment.	Semester 1
CHEM 1902	Chemistry 1B (Advanced)	6	P CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent C Recommended concurrent unit of study: 6 credit points of Junior Mathematics N CHEM (1002 or 1102 or 1904 or 1907 or 1908) NB: Department permission required for enrolment.	Semester 2

5. Arts units of study

CHEM 2401	Molecular Reactivity and Spectroscopy	6	P CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics N CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2502 or 2901 or 2903 or 2911 or 2915)	Semester 1
CHEM 2402	Chemical Structure and Stability	6	P CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics N CHEM (2202 or 2302 or 2902 or 2912 or 2916)	Semester 2
CHEM 2403	Chemistry of Biological Molecules	6	P CHEM (1102 or 1902 or 1904 or 1909); 6 credit points of Junior Mathematics N CHEM (2001 or 2901 or 2311 or 2312 or 2903 or 2913) NB: To enrol in Senior Chemistry in 2006 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.	Semester 2
CHEM 2404	Forensic and Environmental Chemistry	6	P CHEM 1102 or 1902 or 1904 or 1909; 6 credit points of Junior Mathematics C BSc candidates CHEM (2101 or 2301 or 2401 or 2502 or 2901 or 2911 or 2915) N CHEM3107 or CHEM3197 NB: To enrol in Senior Chemistry in 2006 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.	Semester 1
CHEM 2911	Molecular Reactivity & Spectroscopy Adv	6	P Credit average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2401 or 2502 or 2901 or 2903 or 2915)	Semester 1
CHEM 2912	Chemical Structure and Stability (Adv)	6	P Credit average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM (2202 or 2302 or 2402 or 2902 or 2916)	Semester 2
CHEM 2915	Molecular Reactivity & Spectroscopy SSP	6	P By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics N CHEM (2001 or 2101 or 2301 or 2311 or 2312 or 2401 or 2502 or 2901 or 2903 or 2911) NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.	Semester 1
CHEM 2916	Chemical Structure and Stability (SSP)	6	P By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. N CHEM (2202 or 2302 or 2402 or 2902 or 2912) NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.	Semester 2

CHEM 3100	Chemistry of the Main Group	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). For students in BSc (ENVI): CHEM (1102 or 1902) and ENVI2002.</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3 or 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from each of Groups 2 and 3. Students taking one other senior chemistry unit have no restriction placed on their selection of senior chemistry units. For BSc (Environmental) students CHEM3209.</p> <p>N CHEM3190</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916). For students in BSc (ENVI): CHEM (1102 or 1902) and ENVI2002.</p>	Semester 1
CHEM 3103	Organometallic and Catalytic Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM (3105 and 3205 and 3306).</p> <p>N CHEM3193</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3104	Symmetry and Vibrational Spectra	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3194, CHEM3304 or CHEM3394</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1

5. Arts units of study

CHEM 3105	Biol/Environ Transition Metal Chem	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI2002; for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002) and CHEM ((2311 and 2312) or 2903).</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3205 and CHEM3306 and one other Semester 2 Senior Chemistry unit selected from any Group. For BSc (Environmental) students CHEM3305.</p> <p>N CHEM3195</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI 2002; for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102 and CHEM ((2311 and 2312) or 2403 or 2903 or 2913).</p>	Semester 2
CHEM 3106	Inorganic Materials Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306.</p> <p>N CHEM3196</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3107	Forensic and Analytical Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3197, CHEM2404</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1

CHEM 3108	Supramolecular Materials	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903 C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. N CHEM3198 NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3109	Transition Metal Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902) C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. N CHEM3199 NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3190	Chemistry of the Main Group (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or 2311 and 2312 or 2903 or 2901) and CHEM (2302 or 2902) C Either 1 or 3 or 5 or 7 other Senior Chemistry units of study. Students taking 3 or 5 or 7 other senior chemistry units are to select units from Groups 1-3 including at least one unit from each of Groups 2 and 3. Students taking one other senior chemistry unit have no restriction placed on their selection of senior chemistry units. N CHEM3100 NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916).</p>	Semester 1

5. Arts units of study

CHEM 3193	Organometallic and Catalytic Chem (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396.</p> <p>N CHEM3103</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2
CHEM 3194	Symmetry and Vibrational Spectra (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3104, CHEM3304 or CHEM3394</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1

CHEM 3195	Biol/Environ Transition Metal Chem (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002), a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903).</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM3295 and CHEM3396 and one other semester 2 Senior advanced Chemistry unit selected from any Group.</p> <p>N CHEM3105</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913).</p>	Semester 2
CHEM 3197	Forensic and Analytical Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3107, CHEM2404</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916).</p>	Semester 1

5. Arts units of study

CHEM 3198	Supramolecular Materials (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMed Sci and BSc(MBLG) candidates CHEM3195 and 3295 and 3396.</p> <p>N CHEM3108</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2
CHEM 3199	Transition Metal Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3109</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3200	Stereochemistry and Mechanisms	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3290</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1

CHEM 3203	Bioorganic Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3293</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3204	Heterocyclic Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306.</p> <p>N CHEM3294</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3205	Medicinal and Biological Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002) and CHEM ((2311 and 2312) or 2903).</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and CHEM 3306 and one other Semester 2 Senior Chemistry unit selected from any Group.</p> <p>N CHEM3295</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, and CHEM ((2311 and 2312) or 2403 or 2903 or 2913).</p>	Semester 2

5. Arts units of study

CHEM 3206	Radical and Pericyclic Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903 C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. N CHEM3296 NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3207	Synthetic Methods	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903 C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. N CHEM3297 NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3209	Organic Structures From Spectra	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI2002, for BSc(MOBT) candidates MOBT2001, MOBT2002, CHEM ((2311 and 2312) or 2903) C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. Students enrolled in BSc(MOBT) are to take CHEM3203. For BSc (Environmental) students CHEM3100. N CHEM3299 NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI2002, for B.Sci. (MOBT) candidates MOBT2001, MOBT2002, CHEM ((2311 and 2312) or 2403 or 2903 or 2913)</p>	Semester 1

CHEM 3290	Stereochemistry and Mechanisms (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3200</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3293	Bioorganic Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3203</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3294	Heterocyclic Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM(3195 and 3295 and 3396).</p> <p>N CHEM3204</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2

5. Arts units of study

CHEM 3295	Medicinal and Biological Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903); for BSc (MOBT) candidates: MOBT (2001 and 2002), a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903).</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and CHEM 3396 and one other Semester 2 Senior Advanced Chemistry unit selected from any Group.</p> <p>N CHEM3205</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913).</p>	Semester 2
CHEM 3296	Radical and Pericyclic Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM (3195 and 3295 and 3396).</p> <p>N CHEM3206</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2

CHEM 3297	Synthetic Methods (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM(3195 and 3295 and 3396).</p> <p>N CHEM3207</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2
CHEM 3299	Organic Structures From Spectra (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. Not available to BSc (MOBT) students.</p> <p>N CHEM3209</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3301	Quantum Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3391</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1

5. Arts units of study

CHEM 3302	Chemical Dynamics	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3392</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3303	Surfaces and Colloids	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3393</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3304	Principles of Spectroscopy	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM(3394 or 3104 or 3194)</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3305	Atmospheric and Photochemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI 2002, for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. For BSc (Environmental) candidates CHEM 3105</p> <p>N CHEM3395</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI 2002, for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2

CHEM 3306	Biophysical Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002), and CHEM ((2311 and 2312) or 2903).</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc(MBG) candidates CHEM 3105 and 3205 and one other Semester 2 Senior Chemistry unit selected from any Group.</p> <p>N CHEM3396</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, and CHEM ((2311 and 2312) or 2403 or 2903 or 2913).</p>	Semester 2
CHEM 3307	Polymer Chemistry	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306.</p> <p>N CHEM3397</p> <p>NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2

5. Arts units of study

CHEM 3308	Physical Chemistry of Materials	3	<p>P CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903 C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. N CHEM3398 NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)</p>	Semester 2
CHEM 3391	Quantum Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902) C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. N CHEM3301 NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3392	Chemical Dynamics (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902) C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. N CHEM3302 NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1

CHEM 3393	Surfaces and Colloids (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.</p> <p>N CHEM3303</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3394	Principles of Spectroscopy (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902)</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units</p> <p>N CHEM(3304 or 3104 or 3194)</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)</p>	Semester 1
CHEM 3395	Atmospheric and Photochemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396.</p> <p>N CHEM3305</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2

5. Arts units of study

CHEM 3396	Biophysical Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMed-Sc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002), a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903).</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and one other Semester 2 Senior Advanced Chemistry unit selected from any Group.</p> <p>N CHEM3306</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913).</p>	Semester 2
CHEM 3397	Polymer Chemistry (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396.</p> <p>N CHEM3307</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2

CHEM 3398	Physical Chemistry of Materials (Adv)	3	<p>P By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMed-Sc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903</p> <p>C Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396.</p> <p>N CHEM3308</p> <p>NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)</p>	Semester 2
Computer Science				
COMP 2160	Data Structures	6	<p>P SOFT (1002 or 1902) or COMP (1002 or 1902)</p> <p>C MATH (1004 or 1904 or 2009 or 2011 or 2069 or 2969)</p> <p>N May not be counted with COMP(2111 or 2811 or 2002 or 2902 or 2860)</p>	Semester 1
COMP 2860	Data Structures (Advanced)	6	<p>P [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit.</p> <p>C MATH (1004 or 1904 or 2009 or 2011 or 2069 or 2969)</p> <p>N May not be counted with COMP(2111 or 2811 or 2002 or 2902 or 2160)</p>	Semester 1
COMP 3002	Artificial Intelligence	4	<p>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</p> <p>N May not be counted with COMP 3902</p>	Semester 1
COMP 3111	Algorithms 2	4	<p>A MATH 2009</p> <p>P COMP (2111 or 2811 or 2002 or 2902) and MATH (1004 or 1904 or 2009 or 2011) and MATH (1005 or 1905)</p> <p>N May not be counted with COMP (3811 or 3001 or 3901)</p>	Semester 1
COMP 3310	Theory of Computation	6	<p>P COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902)</p> <p>N COMP (2003 or 2903 or 3610)</p>	Semester 2
COMP 3610	Theory of Computation (Advanced)	6	<p>P COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902), and Distinction in a COMP, SOFT, or MATH unit at 2000-level or above.</p> <p>N COMP (2003 or 2903 or 3310)</p>	Semester 2
COMP 3811	Algorithms 2 (Advanced)	4	<p>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.</p> <p>N COMP (3111 or 3001 or 3901)</p>	Semester 1
COMP 3902	Artificial Intelligence (Advanced)	4	<p>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.</p> <p>N May not be counted with COMP 3002</p>	Semester 1

5. Arts units of study

INFO 1003	Foundations of Information Technology	6	A Basic computer operations N INFO1000, INFS1000, ISYS1003	Semester 1, Semester 2
INFO 2000	Systems Analysis and Design	4	P ISYS 1003 or INFO 1000 or INFS 1000 or 6 credit points of Computational Science or SOFT (1001 or 1901) or COMP (1001 or 1901) N May not be counted with INFO 2900	Summer
INFO 2110	Systems Analysis and Modelling	6	A Simple data modelling and simple SQL knowledge covered at ISYS1003 or INFO1000 level P ISYS1003 or INFS1000 or SOFT (1001 or 1901) or COMP (1001 or 1901) or INFO1000 or INFO1003 or 6 credit points of COSC N INFO (2000 or 2810 or 2900)	Semester 1
INFO 2120	Database Systems 1	6	A Basics of data modeling, experience working with information technology tools P ISYS1003 or INFS1000 or SOFT (1001 or 1901) or COMP (1001 or 1901) or INFO1000 or INFO1003 or 6 credit points of COSC N INFO (2005 or 2820 or 2905).	Semester 2
INFO 2810	Systems Analysis and Modelling (Adv)	6	A Simple data modelling and simple SQL knowledge covered at ISYS1003 level P ISYS1003 or INFS1000 or INFO1000 or INFO1003 or SOFT (1001 or 1901) or COMP (1001 or 1901) or 6 crpts of COSC; and Distinction in one of these or in a 2000-level or above INFO, ISYS or SOFT unit. N INFO (2000 or 2110 or 2900)	Semester 1
INFO 2820	Database Systems 1 (Advanced)	6	A Basics of data modelling, experience working with information technology tools P ISYS1003 or INFS1000 or SOFT (1001 or 1901) or COMP (1001 or 1901) or INFO1000 or INFO1003 or 6 credit points of COSC; Distinction in one of these or in a 2000-level or above unit in INFO, ISYS or SOFT. N INFO (2005 or 2120 or 2905)	Semester 2
INFO 3005	Organisational Database Systems	4	P INFO (2000 or 2900) and INFO (2005 or 2905) N INFO 3905 or COMP (3005 or 3905)	Semester 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 COMP (3005 or 3905) or INFO 3005	Semester 1
MULT 3004	Computer Graphics	4	P COMP (2111 or 2811 or 2002 or 2902 or 2160 or 2860) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902) N MULT 3904 or COMP (3004 or 3904).	Semester 2
MULT 3018	Multimedia Interaction	4	P SOFT (2004 or 2904) or COMP (2004 or 2904) N May not be counted with MULT 3918	Semester 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.	Semester 1
MULT 3904	Computer Graphics (Advanced)	4	P COMP (2111 or 2811 or 2002 or 2902 or 2160 or 2860) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902) and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. N MULT3004 or COMP (3004 or 3904)	Semester 2
MULT 3918	Multimedia Interaction (Advanced)	4	P SOFT (2004 or 2904) or COMP (2004 or 2904) and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. N MULT3018	Semester 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.	Semester 1

NETS 2150	Fundamentals of Networking	6	P ELEC1601 or SOFT (1001 or 1901) N NETS (2009 or 2909 or 2850), ELEC (3506 or 3504)	Semester 1
NETS 2850	Fundamentals of Networking (Advanced)	6	P ELEC1601 or SOFT (1001 or 1901) in 2005, and Distinction in one NETS or SOFT unit. N May not be counted with NETS (2009 or 2909 or 2150) or ELEC (3504 or 3506).	Semester 1
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 NETS3907 or COMP (3007 or 3907) or ELEC (3506 or 3604)	Semester 1
NETS 3009	Operating Systems	4	P [NETS (2008 or 2908) or ELEC (1601 or 2601)] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT(2001 or 2901). N NETS3909 or COMP (3009 or 3909)	Semester 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 NETS 3916, ELEC 5610, ELEC5616	Semester 1
NETS 3017	Network Programming and Distributed Apps	4	P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or NETS (2150 or 2850) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). N NETS 3917, ELEC 3604, ELEC3506	Semester 2
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. N NETS3007, COMP 3007, COMP3907, ELEC3506, ELEC3604	Semester 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. N May not be counted with NETS 3009 or COMP (3009 or 3909).	Semester 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. N NETS 3016, ELEC 5610, ELEC5616.	Semester 1
NETS 3917	Network Prog & Distributed Apps (Adv)	4	P [[NETS (2008 or 2908) and NETS (2009 or 2909)] or NETS2150 or NETS2850 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. N NETS3017, ELEC3604, ELEC3506	Semester 2
SOFT 1001	Software Development 1	6	N May not be counted with SOFT 1901 or COMP (1001 or 1901)	Summer, Semester 1, Semester 2
SOFT 1002	Software Development 2	6	P SOFT (1001 or 1901) or COMP (1001 or 1901) N May not be counted with SOFT 1902 or COMP (1002 or 1902)	Summer, Semester 1, Semester 2
SOFT 1901	Software Development 1 (Adv)	6	A HSC Mathematics Extension 1 P UAI at least that for acceptance into BSc(Adv) degree program. N May not be counted with SOFT 1001 or COMP (1001 or 1901) NB: Department permission required for enrolment. Entry requires departmental permission, except for students in BSc(Adv), BCST(Adv) or BIT degrees	Semester 1, Semester 2

5. Arts units of study

SOFT 1902	Software Development 2 (Adv)	6	P SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one of these. N May not be counted with SOFT 1002 or COMP (1002 or 1902) NB: Department permission required for enrolment.	Semester 2, Semester 1
SOFT 2004	Software Development Methods 1	4	P SOFT (1002 or 1902) or COMP (1002 or 1902) N May not be counted with SOFT (2904, 2130 or 2830) or COMP (2004 or 2904) NB: Department permission required for enrolment.	Summer, Semester 1
SOFT 2130	Software Construction 1	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) N COMP (2004 or 2904) or SOFT (2001 or 2004 or 2830).	Semester 2
SOFT 2830	Software Construction 1 (Adv)	6	P SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or in any SOFT unit at 2000-level or above. N COMP (2004 or 2904) or SOFT (2004 or 2904 or 2130).	Semester 2
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).	Semester 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).	Semester 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	Semester 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).	Semester 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.	Semester 1, Semester 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.	Semester 1, Semester 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).	Semester 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).	Semester 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.	Semester 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).	Semester 1
Economics				

ECMT 1010	Business and Economic Statistics A	6	N ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021	Semester 1, Semester 2
ECMT 1020	Business and Economic Statistics B	6	C ECMT1010 N ECMT1021, 1022 and 1023 NB: Other than in exceptional circumstances, it is strongly recommended that students do not undertake Business and Economic Statistics B before attempting Business and Economic Statistics A.	Summer, Semester 2
ECON 1001	Introductory Microeconomics	6	A Mathematics	Semester 1, Summer
ECON 1002	Introductory Macroeconomics	6	A Mathematics	Summer, Semester 2
ECON 2001	Intermediate Microeconomics	8	P ECON1001 C ECMT1010 or101X N ECON2901 NB: Certain combinations of Maths/Stats may substitute for Econometrics -- consult the Chair of the Discipline of Economics.	Summer, Semester 1, Semester 2
ECON 2001	Intermediate Microeconomics	8	P ECON1001 C ECMT1010 or101X N ECON2901 NB: Certain combinations of Maths/Stats may substitute for Econometrics -- consult the Chair of the Discipline of Economics.	Summer, Semester 1, Semester 2
ECON 2002	Intermediate Macroeconomics	8	P ECON1002. C ECMT1020 or 102X N ECON2902 NB: Certain combinations of Maths/Stats may substitute for Econometrics -- consult the Chair of the Discipline of Economics.	Summer, Semester 1, Semester 2
ECON 2002	Intermediate Macroeconomics	8	P ECON1002. C ECMT1020 or 102X N ECON2902 NB: Certain combinations of Maths/Stats may substitute for Econometrics -- consult the Chair of the Discipline of Economics.	Summer, Semester 1, Semester 2
ECON 2101	Economics Exchange	8	P ECON1001 and ECON1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 2102	Economics Exchange	8	P ECON1001 and ECON1002 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 2201	Economics of Competition and Strategy	8	P ECON1001 NB: Department permission required for enrolment.	Semester 2
ECON 2901	Intermediate Microeconomics Honours	8	P ECON1001 and ECON1002 with a Credit average or better in the two units combined C ECON2903 and ECMT1010 or ECMT101X N ECON2001 NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.	Semester 1
ECON 2902	Intermediate Macroeconomics Honours	8	P ECON2901 C ECON2904 and ECMT1020 or ECMT102X N ECON2002 NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.	Semester 2
ECON 2903	Mathematical Economics A	4	C ECON2901 NB: Classes start in Week 3	Semester 1
ECON 2904	Mathematical Economics B	4	P ECON2903 C ECON 2902 NB: Classes start in Week 3	Semester 2
ECON 3001	Capital and Growth	8	P One of ECON2001, ECON2901, ECOP2001, plus one of ECON2002, ECON2902, ECOP2002	Semester 1
ECON 3002	Development Economics	8	P One of ECON2001, ECON2002, ECON2901, ECON2902	Semester 2
ECON 3003	Hierarchies, Incentives & Firm Structure	8	P Either ECON2001 or ECON2901	Semester 1
ECON 3004	History of Economic Thought	8	P One of ECON2001, ECON2002, ECON2901, ECON2902, ECOP2001, ECOP2002.	Semester 2
ECON 3005	Industrial Organisation	8	P One of ECON2001, ECON2901	Semester 2
ECON 3006	International Trade	8	P One of ECON2001, ECON2901	Summer, Semester 1
ECON 3006	International Trade	8	P One of ECON2001, ECON2901	Summer, Semester 1
ECON 3007	International Macroeconomics	8	P One of ECON2002, ECON2902	Semester 2

5. Arts units of study

ECON 3008	Labour Economics	8	P One of ECON2001, ECON2901, ECOP2001, plus one of ECON2002, ECON2902, ECOP2002.	Semester 1
ECON 3009	Markets, Regulation & Government Policy	8	P One of ECON2001, ECON2901, ECOP2001 plus one of ECON2002, ECON2902, ECOP2002	Semester 2
ECON 3010	Monetary Economics	8	P One of ECON2001, ECON2901, ECON2002, ECON2902	Semester 1
ECON 3011	Public Finance	8	P One of ECON2001, ECON2901	Semester 1
ECON 3012	Strategic Behaviour	8	P One of ECON2001, ECON2901	Semester 2
ECON 3013	Environmental and Resource Economics	8	P One of ECON2001 and ECON2901 together with one of ECON2002 and ECON2902	Semester 2
ECON 3015	Law and Economics	8	P One of ECON2001 and ECON2901 together with one of ECON2002 and ECON2902	Semester 1
ECON 3101	Economics Exchange	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 3101	Economics Exchange	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 3102	Economics Exchange	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 3102	Economics Exchange	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment.	Semester 1, Semester 2
ECON 3103	Special Topics in Economics	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment. Check with Department if unit is to be taught	Semester 1, Semester 2
ECON 3103	Special Topics in Economics	8	P ECON2001 and ECON2002 or ECON2901 and ECON2902 NB: Department permission required for enrolment. Check with Department if unit is to be taught	Semester 1, Semester 2
ECON 3901	Advanced Microeconomics: Theory & Policy	8	P ECON2901, ECON2902, ECON2903, and ECON2904 with a Credit average or better over the four units combined. C ECMT2010 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.	Semester 1
ECON 3902	Advanced Macroeconomics: Theory & Policy	8	P ECON3901 and ECMT2010 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.	Semester 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 (ECON3901) and Advanced Macroeconomics: Theory and Policy (ECON3902) with a Credit average or better in ECON3901 and 3902; and Regression Modelling (ECMT2010). NB: Department permission required for enrolment. Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.	Semester 1, Semester 2
ECON 4102	Economics Honours B	12	C ECON4101	Semester 1, Semester 2
ECON 4103	Economics Honours C	12	C ECON4102	Semester 1, Semester 2
ECON 4104	Economics Honours D	12	C ECON4103	Semester 1, Semester 2
Education				
EDSE 3047	Teaching Languages 1A	6	P 18 credit pts of Education + 28 credit pts of languages	Semester 1b
EDSE 3048	Teaching Languages 1B	6	P 18 credit pts of Education + 28 credit pts of Languages	Semester 1b
EDUF 1018	Education, Teachers and Teaching	6	N EDUF1011	Semester 1
EDUF 1019	Human Development and Education	6	N EDUF1012	Semester 2

EDUF 2006	Educational Psychology	6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points	Semester 1
EDUF 2007	Social Perspectives on Education	6	P EDUF1011 and EDUF1012 or EDUF1018 and EDUF1019 or 30 junior credit points	Semester 2
EDUF 3001	Psychology of Learning and Teaching	4	P 40 Credit Points NB: Department permission required for enrolment. Strongly recommended that students have completed EDUF2005 or EDUF2006 Educational Psychology	Semester 2
EDUF 3002	Adolescent Development	4	P EDUF1019 Human Development and Education or PSYC1001 & PSYC1002	Semester 2a
EDUF 3003	Evaluation and Measurement in Education	4	P 40 Credit Points NB: Strongly recommended that students have completed EDUF2005 or EDUF2006 Educational Psychology.	Semester 2
EDUF 3014	Cross Cultural Fieldwork in Education	4	P 40 credit points NB: Department permission required for enrolment. Departmental permission required for entry into this Unit	S1 Late Int
EDUF 3017	Curriculum: A Cultural Construct	4	P 40 Credit Points	Semester 2
EDUF 3019	Children and Youth	4	P 40 credit points	Semester 2
EDUF 3021	Special Education: Inclusive Schools	4	P 40 Credit Points	S1 Late Int, Semester 1b, Semester 2a, Semester 2b
EDUF 3021	Special Education: Inclusive Schools	4	P 40 Credit Points	S1 Late Int, Semester 1b, Semester 2a, Semester 2b
EDUF 3021	Special Education: Inclusive Schools	4	P 40 Credit Points	S1 Late Int, Semester 1b, Semester 2a, Semester 2b
EDUF 3022	Mentoring in the "risk society"	4	P 40 credit points NB: Department permission required for enrolment.	Semester 1
EDUF 3112	Sports, Leisure and Youth Policy	4	P 40 Credit Points	Semester 1
EDUF 3114	Education Programs in Industrial Nations	4	P 40 Credit Points	Semester 2
EDUF 3121	Ethics and Education	4	P 40 Credit Points	Semester 1
EDUF 3124	International and Development Education	4	P 40 Credit Points	Semester 1
EDUF 3132	Australian Secondary Schooling	4	P 40 Credit Points	Semester 1
EDUF 3134	Gender and Education	4	P 40 Credit Points NB: Department permission required for enrolment.	Semester 1
EDUF 3205	Beginning Educational Research	4	NB: Department permission required for enrolment. Credit average across EDUF2006 and EDUF2007; as well as across some other coherent set of 16 senior sequential credit points from one area of study is required.	Semester 1
EDUF 3206	Methodologies and Educational Research	4	P Credit or higher in EDUF3205 NB: Department permission required for enrolment.	Semester 2
EDUF 3207	Educational Psychology Research Seminar 1	4	P Credit average across EDUF2006 and EDUF2007 and a credit average across some other coherent set of 16 credit points C EDUF3205 and EDUF3206 NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol	Semester 1
EDUF 3208	Educational Psychology Research Seminar 2	4	P EDUF3207 Educational Psychology Research Seminar 1 NB: Department permission required for enrolment.	Semester 2
EDUF 3209	Social Policy Research Seminar 1	4	P Credit average across EDUF2006 and EDUF2007 Credit average across some other coherent set of 16 credit points. C EDUF3205 and EDUF3206 NB: Department permission required for enrolment. Only students doing Education Honours from other faculties are eligible to enrol.	Semester 1
EDUF 3210	Social Policy Research Seminar 2	4	P EDUF3209 Social Policy Research Seminar 1 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 2

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EDUF 4215	Education Honours 1	24	P EDUF3205 and EDUF3206 and EDUF3207 and EDUF3208 and 12 credit points from the following: EDUF3001, EDUF3002, EDUF3003, EDUF3005, EDUF3112, EDUF3114, EDUF3121, EDUF3124, EDUF3132, EDUF3134, EDUF3141, EDUF3021 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 1
EDUF 4216	Education Honours 2	24	P EDUF3205 and EDUF3206 and EDUF3207 and EDUF3208 and 12 credit points from the following: EDUF3001, EDUF3002, EDUF3003, EDUF3005, EDUF3112, EDUF3114, EDUF3121, EDUF3124, EDUF3132, EDUF3134, EDUF3141, EDUF3021 NB: Department permission required for enrolment. NB: Only students doing Education Honours from other faculties are eligible to enrol.	Semester 2
Geography				
GEOG 1001	Biophysical Environments	6		Semester 1
GEOG 1002	Human Environments	6		Semester 2
GEOG 1551	Geography Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 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. NB: Other Information: As for GEOG 2001	Semester 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. NB: Other Information: As for GEOG 2001.	Semester 2
GEOG 2311	Landscape Processes	6	P 36cp of Junior units of study, including GEOG1001 or ENVI (1001 or 1002), or GEOL (1001 or 1002). Students enrolled in the Bachelor of Resource Economics should have 36cp from Junior units of study in Biology (or Land and Water Science), Chemistry and Mathematics. N GEOG2001	Semester 1
GEOG 2321	Fluvial and Groundwater Geomorphology	6	P GEOG(2311 or 2001) or 36 credit points of Junior study including GEOG1001 or ENVI (1001 or 1002) or GEOL (1001 or 1002 or 1501). Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology (or Land and Water Science), Chemistry and Mathematics. Students in the Bachelor of Land and Water Science should have ENVI1001, 12 credit points of Chemistry, 6 credit points of Biology, BIOM1002. N GEOG (2002 or 2302 or 2303) or MARS2002	Semester 2
GEOG 2411	Environmental Change and Human Response	6	P 36 cp of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or GEOL (1001 or 1002) N GEOG2101	Semester 1
GEOG 2421	Resource and Environmental Management	6	P 36cp of Junior Units of Study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) N GEOG2102	Semester 2
GEOG 2511	Economic and Political Geography	6	P 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002) N GEOG2201	Semester 1
GEOG 2521	Urban and Cultural Geography	6	P 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002) N GEOG2202	Semester 2
GEOG 2551	Geography Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 2552	Geography Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2

GEOG 2553	Geography Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 2554	Geography Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 2555	Geography Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 2556	Geography Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 3002	Environmental Geomorphology	12	P GEOG (2001 or 2002 or 2101 or 2302 or 2303) NB: From 2006 the prerequisites will be: 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography Units of Study.	Semester 2
GEOG 3101	Catchment Management	12	P GEOG (2001 or 2002 or 2101 or 2302 or 2303) and GEOG (2102 or 2201 or 2202) NB: From 2006 the prerequisites will be: 24 credit points of Intermediate Units of Study including 6 credit points of Intermediate Geography Units of Study.	Semester 1
GEOG 3201	Asia-Pacific Field School	12	P GEOG (2101 or 2102 or 2201 or 2202) NB: From 2006 the prerequisites will be: 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study.	S1 Intensive
GEOG 3511	Spatial Change in Australian Society	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG 3202	Semester 1
GEOG 3521	Sustainable Cities	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3202	Semester 2
GEOG 3522	Globalisation and Regions in Transition	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3203	Semester 2
GEOG 3551	Geography Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 3552	Geography Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 3553	Geography Exchange	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 3553	Geography Exchange	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 3554	Geography Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 3555	Geography Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 4011	Geography Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOG 4012	Geography Honours B	12	C GEOG 4011	Semester 1, Semester 2
GEOG 4013	Geography Honours C	12	C GEOG 4012	Semester 1, Semester 2
GEOG 4014	Geography Honours D	12	C GEOG 4013	Semester 1, Semester 2
MARS 3003	Coastal Depositional Environments	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study	Semester 1a
MARS 3004	Coastal Morphodynamics	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study	Semester 1b

5. Arts units of study

MARS 3103	GIS Simulation Modelling	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.	Semester 2a
MARS 3104	Coastal Zone Management	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.	Semester 2b
Geology				
GEOL 1001	Earth and its Environment	6	A No previous knowledge of Geology assumed N GEOL1501	Semester 1
GEOL 1002	Earth Processes and Resources	6	A No previous knowledge of Geology assumed N GEOL1501	Semester 2
GEOL 1551	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 1902	Earth Materials and Resources (Advanced)	6	A No previous knowledge of Geology assumed N GEOL1002 NB: Department permission required for enrolment. Departmental permission is required for enrolment; a UAI above 93 or a Distinction in GEOL1001 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.	Semester 2
GEOL 2111	Volcanic Hazards and Solutions	6	P GEOL1002 or ENV11001 or by special permission if the student has completed (the HSC course in Earth and Environmental Science and 24 credit points of Junior Science units of study) N GEOL2001, CIVL2409	Semester 1
GEOL 2112	Environmental Geology and Climate Change	6	P 24 credit points of Science units of study N GEOL2004	Semester 1
GEOL 2124	Fossils and Time	6	P 24 credit points of Junior Science units of study N GEOL2003, CIVL2409	Semester 2
GEOL 2911	Volcanic Hazards & Solutions (Advanced)	6	P GEOL (1002 or 1902) or ENV11001 N GEOL2111, GEOL2001 NB: Department permission required for enrolment. A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.	Semester 1
GEOL 3551	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 3552	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 3553	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOL 3554	Geology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
MARS 3003	Coastal Depositional Environments	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study	Semester 1a

MARS 3004	Coastal Morphodynamics	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study	Semester 1b
MARS 3005	Marine Geophysical Data Analysis	6	P 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 CIVL2409 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 1a
MARS 3006	Dynamics of Ocean Basins and Margins	6	A Prior completion of MARS3005 is highly recommended P 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 CIVL2409 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 1b
MARS 3008	Energy: Science, Engineering & Economics	6	P 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 CIVL2409 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 1
MARS 3103	GIS Simulation Modelling	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.	Semester 2a
MARS 3104	Coastal Zone Management	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.	Semester 2b
MARS 3105	Coastal Oceanography & Sediment Dynamics	6	P 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 CIVL2409 N GEOL3104 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 2a
MARS 3106	Physical Marine Habitat	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 2b

5. Arts units of study

Geosciences				
GEOS 3003	Structural Geology: The Dynamic Crust	6	P GEOL2002 or CIVL2409 N GEOL3101 NB: From 2006 the prerequisites will be: GEOL (2002 or 2123) or CIVL2409	Semester 1a
GEOS 3004	Geophysics, Imaging, Oil/Ore Production	6	P 16 credit points of Intermediate Science units of study or CIVL2409 N GEOP3202	Semester 2
GEOS 3005	Regolith-Sediment Geochemistry	6	P 16 credit points of Intermediate Science units of study or CIVL2409 NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOS 3005	Regolith-Sediment Geochemistry	6	P 16 credit points of Intermediate Science units of study or CIVL2409 NB: Department permission required for enrolment.	Semester 1, Semester 2
GEOS 3006	Mineral Deposits & Spatial Data Analysis	6	P 16 credit points of Intermediate Science units of study or CIVL2409 N GEOL3103	Semester 2b
GEOS 3007	Remote Sensing: Imaging the Earth	6	P 16 credit points of Intermediate Science units of study or CIVL2409 N GEOL3101	Semester 1b
GEOS 3008	Field Geology and Geophysics	6	P GEOL2002 N GEOL3103, GEOS3908 NB: From 2006 the prerequisites will be: GEOL (2002 or 2123) or CIVL2409	Semester 2a
MARS 3003	Coastal Depositional Environments	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study	Semester 1a
MARS 3004	Coastal Morphodynamics	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study. NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study	Semester 1b
MARS 3005	Marine Geophysical Data Analysis	6	P 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 CIVL2409 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 1a
MARS 3006	Dynamics of Ocean Basins and Margins	6	A Prior completion of MARS3005 is highly recommended P 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 CIVL2409 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 1b
MARS 3008	Energy: Science, Engineering & Economics	6	P 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 CIVL2409 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 1

MARS 3103	GIS Simulation Modelling	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.	Semester 2a
MARS 3104	Coastal Zone Management	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.	Semester 2b
MARS 3105	Coastal Oceanography & Sediment Dynamics	6	P 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 CIVL2409 N GEOL3104 NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 2a
MARS 3106	Physical Marine Habitat	6	P MARS (2001 and 2002) or 16 credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.	Semester 2b
Government and International Relations				
GOVT 1001	Government Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 1002	Government Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 1101	Australian Politics	6		Summer, Semester 1, Semester 2
GOVT 1104	Power in Society	6		Semester 1
GOVT 1105	Geopolitics	6		Semester 1
GOVT 1202	World Politics	6		Summer, Semester 2
GOVT 1406	International Business and Politics	6		Semester 2
GOVT 2001	Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2002	Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2003	Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 2004	Government Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 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.	Semester 1
GOVT 2101	Human Rights and Australian Politics	8	P Two GOVT1000 level units of study	Summer, Semester 2
GOVT 2106	Australian Foreign and Defence Policy	8	P Two GOVT1000 level units of study	Semester 1
GOVT 2201	Politics of International Economic Rels	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2205	International Security in 21st Century	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2206	International Organisations	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2208	Environmental Politics	8	P Two GOVT1000 level units of study	Semester 1
GOVT 2404	Europe in World Affairs	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2412	Comparative Politics of Ethnic Conflict	8	P Two GOVT1000 level units of study (for Management major only: any four 1000 level units)	Semester 2

5. Arts units of study

GOVT 2502	Policy Analysis	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2504	Government Business Relations	8	P Two GOVT1000 level units of study (for Management major only; any four 1000 level units)	Semester 1
GOVT 2507	Public Sector Management	8	P Two GOVT1000 level units of study (for Management major only; any four 1000 level units)	Semester 1
GOVT 2601	Classical Political Theory	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2605	Ethics and Politics	8	P Two GOVT1000 level units of study	Semester 1
GOVT 2703	Consultation: Community, Business, Govt	8	P Two GOVT1000 level units of study NB: This unit will be taught in intensive mode over six Fridays. Students need to contact their Faculty to enrol in this unit.	S1 Late Int
GOVT 3508	Internship in Public Policy and Affairs	16	P Consultation with Discipline's Internship Co-ordinator NB: Department permission required for enrolment. Applications in writing and enrolments limited by number of available placements.	Semester 2
GOVT 3991	Government 3 Honours Part A	4	P Two senior Government units and GOVT2091, each at the level of Credit or better, or with the consent of the Chair of Discipline.	Semester 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.	Semester 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. C Must enrol in GOVT 4101, 4102, 4103, and 4104 NB: Department permission required for enrolment.	Semester 1, Semester 2
GOVT 4102	Government Honours B	12	P Credit grades in two junior GOVT units, four senior GOVT units and 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. C Must enrol in GOVT 4101, 4102, 4103, and 4104	Semester 1, Semester 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. C Must enrol in GOVT 4101, 4102, 4103, and 4104	Semester 1, Semester 2
GOVT 4104	Government Honours D	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. C Must enrol in GOVT 4101, 4102, 4103, and 4104	Semester 1, Semester 2
History and Philosophy of Science				
HPSC 1000	Bioethics	6	NB: This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.	Semester 1

HPSC 2100	The Birth of Modern Science	6	P 24 credit points of Junior units of study N HPSC (2002 or 2900)	Semester 1
HPSC 2101	What Is This Thing Called Science?	6	P 24 credit points of Junior units of study N HPSC (2001 or 2901)	Semester 2
HPSC 2900	The Birth of Modern Science (Advanced)	6	P Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average N HPSC (2002 or 2100) NB: Enrolment in this unit is limited, and will be on a first-come, first-served basis.	Semester 1
HPSC 2901	What Is This Thing Called Science? (Adv)	6	P Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average N HPSC (2002 or 2100) NB: Enrolment in this unit is limited and will be on a first-come, first-served basis.	Semester 2
HPSC 3002	History of Biological/Medical Sciences	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P 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). NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units.	Semester 2
HPSC 3015	History and Philosophy of Physics	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) 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 HPSC3001, HPSC3106 NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 1
HPSC 3016	Mathematical Sciences: HPS	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) P 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) NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 2
HPSC 3021	Philosophy and Sociology of Biology	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) 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 HPSC3103 NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 2
HPSC 3022	Science and Society	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) P (HPSC2001 and HPSC2002) or (a Credit or better in either HPSC2001 or HPSC2002 and at least 24 credit points of Intermediate or Senior units of study). N HPSC3003 NB: This unit is a requirement for HPS majors. From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 1

5. Arts units of study

HPSC 3023	History of the Human Sciences	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P (HPSC2001 and HPSC2002) or (a Credit or better in either HPSC2001 or HPSC2002 and at least 24 credit points of Intermediate or Senior units of study). N HPSC3010 NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units	Semester 1
HPSC 3024	Science and Ethics	6	P At least 24 credit points of Intermediate or Senior units of study N HPSC3007	Semester 1
HPSC 4101	Philosophy of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. NB: Department permission required for enrolment.	Semester 1
HPSC 4102	History of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. NB: Department permission required for enrolment.	Semester 1, Semester 2
HPSC 4103	Sociology of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. NB: Department permission required for enrolment.	Semester 2
HPSC 4104	Recent Topics in HPS	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. NB: Department permission required for enrolment.	Semester 1, Semester 2
HPSC 4105	HPS Research Methods	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. NB: Department permission required for enrolment.	Semester 1
HPSC 4108	Core topics: History & Philosophy of Sci	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission N Not available to students who have completed a major in History and Philosophy of Science or an equivalent program of study at another institution.	Winter, Semester 1, Semester 2
HPSC 4201	HPS Research Project 1	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4202	HPS Research Project 2	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106 and HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2

HPSC 4203	HPS Research Project 3	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4204	HPS Research Project 4	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 NB: Department permission required for enrolment. Departmental permission required for enrolment	Semester 1, Semester 2
HPSC 4999	History & Philosophy of Science Honours	0	P Available only to students admitted to HPS Honours. NB: Department permission required for enrolment.	Semester 1, Semester 2
Industrial Relations and Human Resource Management				
WORK 1001	Foundations of Industrial Relations	6	N IREL1001 NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.	Semester 1
WORK 1002	Foundations of Human Resource Management	6	N IREL1002 NB: This is one of the compulsory units of study for the Industrial Relations/Human Resource Management major.	Semester 2
WORK 2001	Foundations of Management	8	P 24 credit points of junior units of study N IREL2001 NB: This is the compulsory unit of study for the Management major.	Semester 1
WORK 2002	Labour Market Analysis	8	P WORK1001 (or IREL1001) and WORK1002 (or IREL1002) N IREL2002	Semester 2
WORK 2005	Human Resource Processes	8	P WORK1001 (or IREL1001) and WORK1002 (or IREL1002) N IREL2005	Semester 1
WORK 2006	Labour History	8	P 48 junior credit points or ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)) N IREL2006	Semester 2
WORK 2007	Labour Law	8	P (WORK1001 or IREL1001) and (WORK1002 or IREL1002) N IREL2007	Semester 1
WORK 2009	Organisational Analysis and Behaviour	8	P IREL1002 or WORK1002 N IREL2009	Semester 2
WORK 2010	Strategic Management	8	P IREL1002 or WORK1002 N IREL2010	Semester 1
WORK 2011	Human Resource Strategies	8	P (WORK1001 or IREL1001) and (WORK1002 or IREL1002) N IREL2011	Semester 2
WORK 2012	Discrimination & Equality in Employment	8	P (WORK1001 or IREL1001) and (WORK1002 or IREL1002) N IREL2012	Semester 1
WORK 2015	IR and HRM Practice	8	P ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)) plus 16 senior credit points in WOS units of study N IREL2015 NB: Department permission required for enrolment.	Semester 2
WORK 3901	Theories of Work and Organisation	8	P ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)) and enrolled in IR/HRM or Mgmt major with minimum grade credit in all WORK units. C Enrolment in either an IR&HRM major or Management major N IREL2901, IREL2902	Semester 1
WORK 3902	Researching Work and Organisations	8	P WORK3901 or IREL2901 and IREL2902 and enrolled in IR/HRM or Management major with minimum grade credit in all WORK units. Students must have completed 48 senior credit points of study. C Enrolment in either an IR&HRM major or Management major N IREL3902	Semester 2

5. Arts units of study

WORK 4101	Industrial Relations & HRM Honours A	12	P 32 credit points of senior level WORK units of study plus WORK3901 and WORK3902. All WORK units of study must be passed at a credit level or above. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study and admission is at the discretion of the Discipline of Work and Organisational Studies. N IREL4101 NB: Department permission required for enrolment.	Semester 1, Semester 2
WORK 4102	Industrial Relations & HRM Honours B	12	C WORK4101 N IREL4102	Semester 1, Semester 2
WORK 4103	Industrial Relations & HRM Honours C	12	C WORK4102 N IREL4103	Semester 1, Semester 2
WORK 4104	Industrial Relations & HRM Honours D	12	C WORK4103 N IREL4104	Semester 1, Semester 2
Information Systems				
ISYS 1003	Foundations of Information Technology	6	N May not be counted with INFO 1000 or INFS1000	Summer
ISYS 2140	Information Systems	6	A Understanding of the roles and functions of information technology tools for document processing, modelling, database management etc. Experience in the use of these tools to solve practical problems and to present the results effectively. Awareness of the main concepts of programming and of a program running in a computer (a process) P ISYS1003 or INFO1000 or INFO1003 or INFS1000 N ISYS (2006 or 2007)	Semester 1
ISYS 3000	Information Systems Management	4	P INFO2007 or ISYS2007 or ISYS2140	Semester 2
ISYS 3012	Project Management and Practice	4	P INFO (2000 or 2900)	Semester 1
ISYS 3015	Analytical Methods for IS Professionals	4	P [ARIN 1000 or ENGL (1050 or 1005 or 1000) 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). NB: Enrolment Restriction: Entry is restricted to students who have a credit or better in at least one of the Prerequisite units.	Semester 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 1000) or LNGS (1001 or 1002 or 1005) or ECOF (1001 or 1002)]	Semester 1
ISYS 3207	Information Systems Project	8	P ISYS 3012 and (ISYS 3015 or ARIN 2000)	Semester 2
Law				
LAWS 1002	Contracts	8	P Foundations of Law	Summer, Semester 1, Semester 2
LAWS 1003	Criminal Law	8		Semester 1, Semester 2
LAWS 1006	Foundations of Law	6	NB: Unit is part of Combined Law.	Semester 1
LAWS 1007	Law, Lawyers and Justice	6	N LAWS1010 NB: Department permission required for enrolment. Unit is part of the Combined Law program. Available to students who commenced prior to 2001 and have completed LAWS3001 only.	Semester 2
LAWS 1008	Legal Research	0		Semester 1, Semester 2
LAWS 1010	Torts	6	P Foundations of Law N LAWS3001 Torts NB: Unit is part of the Combined Law program for students commencing in 2005.	Semester 2
LAWS 3000	Federal Constitutional Law	10	P Foundations of Law NB: Unit is part of Combined Law.	Semester 1
LAWS 3001	Torts	10	N LAWS1010 Torts NB: Department permission required for enrolment. Departmental permission required for enrolment. Available to students who commenced prior to 2001 only and who have previously enrolled in LAWS1007.	Semester 2
LAWS 3002	Law, Lawyers and Justice	10	NB: Unit is part of the Combined Law program for re-enrolling students in 2005	Semester 2

Legal Studies (no major available)				
LAWS 1100	Introduction to Civil Liability	6	P SLSS 1001 Introduction to Socio-Legal Studies NB: Department permission required for enrolment. This is a new six credit point unit of study within the Faculty of Law to be offered for the first time in semester two 2005 for students enrolled in the first year of the Bachelor of Arts and Sciences (BAS) degree.	Semester 2
SLSS 1001	Introduction to Socio-Legal Studies	6	NB: Available to BAS students only	Semester 1
SLSS 1002	Law as Language, Culture and Performance	6	NB: Available to BAS students only	Semester 2
Management				
ECON 3003	Hierarchies, Incentives & Firm Structure	8	P Either ECON2001 or ECON2901	Semester 1
ECON 3005	Industrial Organisation	8	P One of ECON2001, ECON2901	Semester 2
ECON 3008	Labour Economics	8	P One of ECON2001, ECON2901, ECOP2001, plus one of ECON2002, ECON2902, ECOP2002.	Semester 1
ECON 3012	Strategic Behaviour	8	P One of ECON2001, ECON2901	Semester 2
GOVT 2502	Policy Analysis	8	P Two GOVT1000 level units of study	Semester 2
GOVT 2507	Public Sector Management	8	P Two GOVT1000 level units of study (for Management major only: any four 1000 level units)	Semester 1
IBUS 2001	International Business Strategy	8	P 36 junior credit points with at least 12 from the Faculty of Economics and Business	Semester 1
IBUS 2002	Cross-Cultural Management	8	P 36 junior credit points with at least 12 from the Faculty of Economics and Business	Semester 2
WORK 2001	Foundations of Management	8	P 24 credit points of junior units of study N IREL2001 NB: This is the compulsory unit of study for the Management major.	Semester 1
WORK 2005	Human Resource Processes	8	P WORK1001 (or IREL1001) and WORK1002 (or IREL1002) N IREL2005	Semester 1
WORK 2009	Organisational Analysis and Behaviour	8	P IREL1002 or WORK1002 N IREL2009	Semester 2
WORK 2010	Strategic Management	8	P IREL1002 or WORK1002 N IREL2010	Semester 1
WORK 2011	Human Resource Strategies	8	P (WORK1001 or IREL1001) and (WORK1002 or IREL1002) N IREL2011	Semester 2
WORK 2017	International Human Resource Management	8	P (WORK1001 or IREL1001) and (WORK1002 or IREL1002)	Semester 2
Mathematical Statistics				
STAT 1021	General Statistical Methods 1	6	A HSC General Mathematics N MATH1005, MATH1015, MATH1905, ECMT1010	Semester 1
STAT 1022	General Statistical Methods 2	6	P STAT1021 N MATH (1005 or 1015 or 1905).	Semester 2
STAT 2011	Statistical Models	6	P MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021] N STAT (2901 or 2001 or 2911)	Semester 1
STAT 2012	Statistical Tests	6	A STAT (2011 or 2002) P MATH (1005 or 1905 or 1015) N STAT (2004 or 2912 or 1022)	Semester 2
STAT 2911	Probability and Statistical Models (Adv)	6	P MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005) N STAT (2001 or 2011 or 2901)	Semester 1
STAT 2912	Statistical Tests (Advanced)	6	A STAT (2911 or 2901) P MATH1905 or Credit in MATH1005 N STAT (2004 or 2012 or 1022)	Semester 2
STAT 3001	Distribution Theory and Inference	4	P MATH (1003 or 1903 or 1907) and STAT (2003 or 2903) N STAT 3901	Semester 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	Semester 1
STAT 3003	Time Series Analysis	4	P STAT (2003 or 2903) N May not be counted with STAT3903	Semester 1

5. Arts units of study

STAT 3004	Design of Experiments	4	A STAT3002 P STAT2004 (or STAT1022 for Arts students) and MATH (1002 or 1902) N STAT3904	Semester 2
STAT 3005	Applied Stochastic Processes	4	P MATH (1003 or 1903 or 1907) and STAT (2001 or 2901) N STAT 3905	Semester 2
STAT 3006	Sampling Theory and Categorical Data	4	P STAT 2003 or 2903	Semester 2
STAT 3901	Statistical Theory (Advanced)	4	P (MATH 2001 or 2901) and STAT 2903 N STAT 3001	Semester 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	Semester 1
STAT 3903	Time Series Analysis (Advanced)	4	P STAT2903 or Credit or better in STAT2003 N STAT3003	Semester 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.	Semester 2
STAT 3905	Markov Processes (Advanced)	4	P (STAT2901 or Credit in STAT2001) and MATH (1003 or 1903 or 1907) N STAT3005	Semester 2
STAT 3907	Multivariate Analysis (Advanced)	4	P STAT 3902 and either STAT (3001 or 3901).	Semester 2
STAT 4201	Mathematical Statistics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
STAT 4202	Mathematical Statistics Honours B	12	C STAT 4201	Semester 1, Semester 2
STAT 4203	Mathematical Statistics Honours C	12	C STAT 4202	Semester 1, Semester 2
STAT 4204	Mathematical Statistics Honours D	12	C STAT 4203	Semester 1, Semester 2
Mathematics				
MATH 1001	Differential Calculus	3	A HSC Mathematics Extension 1 N MATH 1011 or 1901 or 1906.	Summer, Semester 1
MATH 1002	Linear Algebra	3	A HSC Mathematics Extension 1 N MATH 1902 or 1012	Semester 1, Summer
MATH 1003	Integral Calculus and Modelling	3	A HSC Mathematics Extension 2 or MATH 1001 N MATH 1013 or 1903 or 1907	Summer, Semester 2
MATH 1004	Discrete Mathematics	3	A HSC Mathematics Extension 1 N MATH 1904 or MATH2011	Summer, Semester 2
MATH 1005	Statistics	3	A HSC Mathematics N MATH (1905 or 1015) or ECMT Junior units of study or STAT (1021 or 1022)	Summer, Semester 2
MATH 1011	Life Sciences Calculus	3	A HSC Mathematics N MATH (1001 or 1901 or 1906).	Semester 1
MATH 1012	Life Sciences Algebra	3	A HSC Mathematics N MATH (1002 or 1902).	Semester 2
MATH 1013	Differential and Difference Equations	3	A HSC Mathematics N MATH (1003 or 1903 or 1907).	Semester 2
MATH 1015	Life Science Statistics	3	A HSC Mathematics N MATH (1005 or 1905) or STAT (1021 or 1022) or ECMT Junior units of study.	Summer, Semester 1
MATH 1901	Differential Calculus (Advanced)	3	A HSC Mathematics Extension 2 N MATH (1011 or 1001 or 1906)	Semester 1
MATH 1902	Linear Algebra (Advanced)	3	A HSC Mathematics Extension 2 N MATH (1002 or 1012)	Semester 1
MATH 1903	Integral Calculus and Modelling Advanced	3	A HSC Mathematics Extension 2 or Credit or better in MATH (1001 or 1901) N MATH (1003 or 1013 or 1907)	Semester 2
MATH 1904	Discrete Mathematics (Advanced)	3	A HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1 N MATH1004 or MATH2011	Semester 2
MATH 1905	Statistics (Advanced)	3	A HSC Mathematics Extension 2 or result in Band E4 or better of HSC Mathematics Extension 1 N MATH (1005 or 1015) or ECMT Junior units of study or STAT (1021 or 1022)	Semester 2
MATH 1906	Mathematics (Special Studies Program) A	3	P UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation N MATH (1001 or 1011 or 1901). NB: Department permission required for enrolment.	Semester 1

MATH 1907	Mathematics (Special Studies Program) B	3	P Distinction in MATH1906; by invitation. N MATH (1003 or 1013 or 1903). NB: Department permission required for enrolment.	Semester 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.	Summer
MATH 2002	Matrix Applications	4	P MATH (1002 or 1902) or Distinction in MATH 1012 N MATH 2902	Summer
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	Summer
MATH 2009	Graph Theory	4	P 6 credit points of Junior Mathematics (at the Distinction level in Life Sciences units)	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).	Summer
MATH 2061	Linear Mathematics and Vector Calculus	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH (2001 or 2901 or 2002 or 2902 or 2961 or 2067)	Semester 1
MATH 2063	Math Computing and Nonlinear Systems	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH (2003 or 2903 or 2006 or 2906 or 2963)	Semester 1
MATH 2065	Partial Differential Equations (Intro)	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH (2005 or 2905 or 2965 or 2067)	Semester 2
MATH 2068	Number Theory and Cryptography	6	P 9 credit points of Junior level Mathematics including MATH (1002 or 1902) N MATH (3024 or 3009)	Semester 2
MATH 2069	Discrete Mathematics and Graph Theory	6	P 6 credit points of Junior level Mathematics N MATH (2011 or 2009 or 2969)	Semester 1
MATH 2070	Optimisation and Financial Mathematics	6	A MATH (1003 or 1903 or 1907) P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) N MATH (2010 or 2033 or 2933 or 2970), ECMT3510	Semester 2
MATH 2961	Linear Mathematics & Vector Calculus Adv	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH (2001 or 2901 or 2002 or 2902 or 2061 or 2067)	Semester 1
MATH 2962	Real and Complex Analysis (Advanced)	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH (2007 or 2907)	Semester 1
MATH 2963	Math Computing & Nonlinear Systems (Adv)	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH (2003 or 2903 or 2006 or 2906 or 2063)	Semester 1
MATH 2965	Partial Differential Equations Intro Adv	6	P MATH (2961 or Credit in 2061) or {MATH (2901 or Credit in 2001) and MATH (2902 or Credit in 2002)} N MATH (2005 or 2905 or 2065 or 2067)	Semester 2
MATH 2968	Algebra (Advanced)	6	P 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002) N MATH (2908 or 2918 or 2008)	Semester 2
MATH 2969	Discrete Mathematics & Graph Theory Adv	6	P 9 credit points of Junior Mathematics (advanced level or Credit at the normal level) N MATH (2011 or 2009 or 2069)	Semester 1
MATH 2970	Optimisation & Financial Mathematics Adv	6	A MATH (1903 or 1907) or Credit in MATH1003 P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) N MATH (2010 and 2033 and 2933 and 2070)	Semester 2

5. Arts units of study

MATH 3001	Topology	4	P 8 credit points of Intermediate Mathematics N MATH 3901	Semester 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	Semester 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 MATH3923	Semester 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	Semester 1
MATH 3006	Geometry	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 1902 or 1002)	Semester 2
MATH 3007	Coding Theory	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902)	Semester 2
MATH 3008	Real Variables	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2007 or 2901 or 2907)	Semester 2
MATH 3009	Number Theory	4	P 8 credit points of Intermediate Mathematics	Semester 2
MATH 3010	Information Theory	4	P 8 credit points of Intermediate Mathematics (strongly advise MATH 2001 or 2901 and some probability theory)	Semester 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.	Semester 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.	Semester 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	Semester 1
MATH 3019	Signal Processing	4	P MATH (2001 or 2901) and MATH (2005 or 2905) N May not be counted with MATH 3919	Semester 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	Semester 2
MATH 3901	Metric Spaces (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2907) N MATH 3001	Semester 1
MATH 3902	Algebra I (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2902) N MATH 3002	Semester 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)	Semester 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)	Semester 1
MATH 3906	Group Representation Theory (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 3902) NB: This unit is only offered in odd years.	Semester 2
MATH 3907	Algebra II (Advanced)	4	P MATH3902 or Credit in MATH3002, and 12 credit points of Intermediate Mathematics. NB: Department permission required for enrolment. This unit of study is only offered in even years.	Semester 2
MATH 3908	Nonlinear Analysis (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 3901)	Semester 2

MATH 3909	Lebesgue Int and Fourier Analysis (Adv)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2907 and MATH 3901)	Semester 2
MATH 3912	Combinatorics (Advanced)	4	P 12 credit points of Intermediate Mathematics (strongly advise MATH 2902). NB: Department permission required for enrolment.	Semester 2
MATH 3914	Fluid Dynamics (Advanced)	4	P MATH (2901 or credit in 2001) and MATH (2905 or credit in 2005)	Semester 1
MATH 3915	Mathematical Methods (Advanced)	4	P MATH (2901 or 2905 or 2907 or 3921) or Credit in MATH (2005 or 3018).	Semester 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	Semester 1
MATH 3917	Hamiltonian Dynamics (Advanced)	4	P MATH 2904 or Credit in MATH 2004	Semester 2
MATH 3919	Signal Processing (Advanced)	4	P MATH 2905 or Credit in MATH 2005 N May not be counted with MATH 3019	Semester 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	Semester 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	Semester 1
MATH 3923	Ordinary Differential Equations (Adv)	4	A MATH2901 and MATH2902 P 12 credit points of intermediate mathematics N MATH3003	Semester 1
MATH 3925	Public Key Cryptography (Advanced)	4	P 12 credit points from Intermediate or senior mathematics. Strongly recommend MATH 3902.	Semester 2
MATH 3933	Financial Mathematics 2 (Advanced)	4	P 8 credit points of Intermediate Mathematics including MATH 2933 or Credit in MATH2033 (and strongly advise MATH 2010 and STAT (2001 or 2901)). N MATH 3015.	Semester 2
MATH 4301	Pure Mathematics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
MATH 4301	Pure Mathematics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
MATH 4302	Pure Mathematics Honours B	12	C MATH 4301	Semester 1, Semester 2
MATH 4303	Pure Mathematics Honours C	12	C MATH 4302	Semester 1, Semester 2
MATH 4304	Pure Mathematics Honours D	12	C MATH 4303	Semester 1, Semester 2
MATH 4401	Applied Mathematics Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
MATH 4402	Applied Mathematics Honours B	12	C MATH 4401	Semester 1, Semester 2
MATH 4402	Applied Mathematics Honours B	12	C MATH 4401	Semester 1, Semester 2
MATH 4403	Applied Mathematics Honours C	12	C MATH 4402	Semester 1, Semester 2
MATH 4403	Applied Mathematics Honours C	12	C MATH 4402	Semester 1, Semester 2
MATH 4404	Applied Mathematics Honours D	12	C MATH 4403	Semester 1, Semester 2
Physics				
COSC 1001	Computational Science in Matlab	3	A HSC Mathematics N May not be counted with COSC 1901.	Semester 2
COSC 1002	Computational Science in C	3	A HSC Mathematics N May not be counted with COSC 1902.	Semester 2
COSC 1901	Computational Science in Matlab (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC 1902, or a distinction or better in COSC 1002, SOFT (1001, 1002, 1901 or 1902). N May not be counted with COSC 1001.	Semester 2
COSC 1902	Computational Science in C (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC 1901, or a distinction or better in COSC 1001, SOFT (1001, 1002, 1901 or 1902). N May not be counted with COSC 1002.	Semester 2

5. Arts units of study

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	Semester 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	Semester 1
COSC 3001	Scientific Computing	4	A Programming experience in MATLAB P 12 credit points chosen from Junior Mathematics and Statistics, 16 credit points of Intermediate units in Science subject areas. N COSC3901, PHYS3301, PHYS3901	Semester 1
COSC 3002	Parallel Computing and Visualisation	4	A Programming experience in C and MATLAB or equivalent P 12 credit points from the Science subject areas of Junior Mathematics and Statistics and 16 credit points of Intermediate units in Science subject areas. N COSC3601, COSC3902, PHYS3303, PHYS3933	Semester 2
COSC 3901	Scientific Computing (Advanced)	4	A Programming experience in MATLAB P 12 credit points chosen from Junior Mathematics and Statistics and 16 credit points of Intermediate units in Science subject areas with a Credit average. N COSC3001, PHYS3301, PHYS3901	Semester 1
COSC 3902	Parallel Computing & Visualisation (Adv)	4	A Programming experience in C and MATLAB or equivalent P 12 credit points from the Science subject areas of Junior Mathematics and Statistics and 16 credit points, average grade Credit, of Intermediate units in Science subject areas. N COSC3601, COSC3002, PHYS3303, PHYS3933	Semester 2
PHYS 1001	Physics 1 (Regular)	6	A HSC Physics C Recommended: MATH (1001/1901, 1002/1902, 1003/1903, 1005/1905) N PHYS (1002 or 1901)	Semester 1
PHYS 1002	Physics 1 (Fundamentals)	6	A No assumed knowledge of Physics C Recommended: MATH (1001/1901, 1002/1902, 1003/1903, 1005/1905) N PHYS (1001 or 1901)	Semester 1
PHYS 1003	Physics 1 (Technological)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. C Recommended: MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1004 or 1902)	Semester 2
PHYS 1004	Physics 1 (Environmental & Life Science)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. C Recommended: MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1003 or 1902) NB: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit.	Semester 2
PHYS 1500	Astronomy	6	A No assumed knowledge of Physics.	Semester 2
PHYS 1600	Concepts and Issues in Physical Science	6	A No assumed knowledge of HSC Physics or Mathematics is required.	Semester 2
PHYS 1901	Physics 1A (Advanced)	6	P UAI of at least 96, or HSC Physics result in Band 6, or PHYS1902, or Distinction or better in PHYS (1003 or 1004) or an equivalent unit. C Recommended: MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1001 or 1002)	Semester 1

PHYS 1902	Physics 1B (Advanced)	6	P UAI of at least 96, or HSC Physics result in Band 6, or PHYS1901, or Distinction or better in PHYS (1001 or 1002) or an equivalent unit. C Recommended: MATH (1001/1901,1002/1902, 1003/1903). MATH 1005/1905 would also be useful. N PHYS (1003 or 1004)	Semester 2
PHYS 2011	Physics 2A	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful P 12 credit points of Junior Physics (excluding PHYS 1500 and PHYS 1600) N PHYS (2001 or 2901 or 2911 or 2101 or 2103)	Semester 1
PHYS 2012	Physics 2B	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful P PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) N PHYS (2102 or 2104 or 2902 or 2002 or 2912)	Semester 2
PHYS 2013	Astrophysics and Relativity	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful P PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) C PHYS (2012 or 2912) N PHYS (2001 or 2901 or 2913 or 2101 or 2103)	Semester 2
PHYS 2911	Physics 2A (Advanced)	6	A MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful P Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). N PHYS (2901 or 2001 or 2011 or 2101 or 2103)	Semester 1
PHYS 2912	Physics 2B (Advanced)	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful P Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). N PHYS (2102 or 2104 or 2902 or 2002 or 2012)	Semester 2
PHYS 2913	Astrophysics and Relativity (Advanced)	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. P Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) C PHYS (2912 or 2012). N PHYS (2001 or 2901 or 2013 or 2101 or 2103)	Semester 2
PHYS 3011	Electromagnetism/Quantum Mechanics	4	P 16 credit points of Intermediate Physics and 8 credit points of Intermediate Mathematics. N PHYS (3003, 3014, 3015, 3200, 3903, 3911, 3914, 3915)	Semester 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)	Semester 1
PHYS 3013	Thermodynamics/Statistical Mechanics	4	A 8 credit points of Intermediate Mathematics P 16 credit points of Intermediate Physics N PHYS (3005 or 3014 or 3015 or 3905 or 3913 or 3914 or 3915).	Semester 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) NB: Department permission required for enrolment. Approval required by the Senior Physics Coordinator prior to enrolment	Semester 1

5. Arts units of study

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) NB: Department permission required for enrolment.	Semester 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)	Semester 1, Semester 2
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)	Semester 1, Semester 2
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)	Semester 1, Semester 2
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)	Semester 1, Semester 2
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)	Semester 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)	Semester 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)	Semester 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) NB: Department permission required for enrolment.	Semester 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) NB: Department permission required for enrolment.	Semester 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)	Semester 1, Semester 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)	Semester 1, Semester 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)	Semester 1, Semester 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)	Semester 1, Semester 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)	Semester 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)	Semester 1
PHYS 3913	Thermodynamics/Statistical Mechanics 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)	Semester 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) NB: Department permission required for enrolment.	Semester 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) NB: Department permission required for enrolment.	Semester 1
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)	Semester 1, Semester 2
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)	Semester 1, Semester 2
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) NB: Department permission required for enrolment. Departmental permission needed.	Semester 1, Semester 2

5. Arts units of study

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)	Semester 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)	Semester 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)	Semester 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) NB: Department permission required for enrolment.	Semester 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) NB: Department permission required for enrolment.	Semester 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)	Semester 1, Semester 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)	Semester 1, Semester 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) NB: Department permission required for enrolment.	Semester 1, Semester 2
Political Economy				
ECOP 1001	Economics as a Social Science	6		Semester 1
ECOP 1002	Economy and Policy	6		Semester 2
ECOP 1003	International Economy and Finance	6		Semester 2
ECOP 2001	Economic Foundation of Modern Capitalism	8	P ECOP1001 and ECOP1002	Semester 1
ECOP 2002	Social Foundations of Modern Capitalism	8	P ECOP1001 and ECOP1002	Semester 2
ECOP 2101	Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 2102	Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 2901	Political Economy Honours II (Part A)	4	P Credit average in ECOP1001 and ECOP1002 C ECOP2001 or ECOP2002 NB: Department permission required for enrolment.	Semester 1

ECOP 2902	Political Economy Honours II (Part B)	4	P Credit average in ECOP1001 and ECOP1002 C ECOP2001 or ECOP2002 NB: Department permission required for enrolment. Students who commence mid-year may enrol in this unit if they obtain a credit or better in ECOP2001	Semester 2
ECOP 3002	Global Political Economy	8	P ECOP1001 and ECOP1002	Semester 2
ECOP 3004	International Development and Trade	8	P ECOP1001 and ECOP1002	Summer
ECOP 3005	Political Economy of the Environment	8	P ECOP1001 and ECOP1002	Semester 1
ECOP 3007	Political Economy of Human Rights	8	P ECOP1001 and ECOP1002	Semester 2
ECOP 3009	Finance: Volatility and Regulation	8	P ECOP1001 and ECOP1002	Semester 1
ECOP 3101	Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 3101	Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 3102	Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 3102	Political Economy Exchange	8	NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 3901	Political Economy Honours III (Part A)	4	P Credit average in 4 intermediate or senior ECOP units including ECOP2901 and ECOP2902 NB: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.	Semester 1
ECOP 3902	Political Economy Honours III (Part B)	4	P Credit average in 4 intermediate or senior ECOP units including ECOP2901 and ECOP2902 NB: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.	Semester 2
ECOP 4001	Political Economy Honours A	12	P ECOP2901, ECOP2902, ECOP3901, ECOP3902, ECOP2001, ECOP 2002 plus two other senior level ECOP units. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. NB: Department permission required for enrolment.	Semester 1, Semester 2
ECOP 4002	Political Economy Honours B	12	P ECOP2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other senior ECOP units. C ECOP4001	Semester 1, Semester 2
ECOP 4003	Political Economy Honours C	12	P ECOP2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other senior ECOP units. C ECOP4002	Semester 1, Semester 2
ECOP 4004	Political Economy Honours D	12	P ECOP2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other senior ECOP units. C ECOP4003	Semester 1, Semester 2
Psychology				
PSYC 1001	Psychology 1001	6		Summer, Semester 1
PSYC 1001	Psychology 1001	6		Summer, Semester 1
PSYC 1002	Psychology 1002	6		Summer, Semester 2
PSYC 1002	Psychology 1002	6		Summer, Semester 2
PSYC 1551	Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 1551	Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2011	Brain and Behaviour	6	P PSYC (1001 and 1002). N PSYC2111	Semester 1
PSYC 2012	Statistics & Research Methods for Psych	6	A Recommended: HSC Mathematics, any level P PSYC (1001 and 1002). N PSYC2112	Semester 1
PSYC 2013	Cognitive and Social Psychology	6	P PSYC (1001 and 1002). N PSYC2113	Semester 2
PSYC 2014	Personality and Differential Psychology	6	P PSYC (1001 and 1002) N PSYC2114	Semester 2
PSYC 2551	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2551	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2

5. Arts units of study

PSYC 2552	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2552	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2553	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2553	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2554	Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2554	Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2555	Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 2555	Psychology Exchange	6	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3201	Statistics and Psychometrics	4	P At least 8 credit points of Intermediate Psychology including PSYC (2112 or 2012)	Semester 2
PSYC 3202	History and Philosophy of Psychology	4	P 12 credit points of Intermediate Psychology.	Semester 1
PSYC 3203	Abnormal Psychology	4	P At least 8 credit points of Intermediate Psychology including PSYC (2111 or 2011) and PSYC (2113 or 2114)	Semester 2
PSYC 3204	Behavioural Neuroscience	4	P At least 8 credit points of Intermediate Psychology including PSYC (2111 or 2011)	Semester 2
PSYC 3205	Cognition, Language and Thought	4	P PSYC (2112 and 2113).	Semester 1
PSYC 3206	Developmental Psychology	4	P 8 credit points of Intermediate Psychology.	Semester 1
PSYC 3209	Learning and Motivation	4	P PSYC (2111 and 2112).	Semester 1
PSYC 3210	Perceptual Systems	4	P PSYC (2111 and 2112).	Semester 1
PSYC 3211	Psychological Assessmt. & Organisational	4	P At least 8 credit points of Intermediate Psychology including PSYC (2112 or 2012) and PSYC 2114 N PSYC3207 (except with permission from the Head of Department)	Semester 2
PSYC 3212	Social Psychology	4	P 8 credit points of Intermediate Psychology including PSYC 2113.	Semester 1
PSYC 3214	Communication and Counselling	4	P At least 8 credit points of Intermediate Psychology including PSYC (2113 or 2013) and PSYC (2114 or 2014)	Semester 2
PSYC 3215	Cognitive Neuroscience & Neuropsychology	4	P At least 8 credit points of Intermediate Psychology including two of PSYC (2111 or 2011), PSYC (2112 or 2012), PSYC (2113 or 2013).	Semester 2
PSYC 3551	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3551	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3552	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3552	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3553	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3553	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3554	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3554	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3555	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3555	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3556	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 3556	Psychology Exchange	4	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 4011	Psychology Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 4011	Psychology Honours A	12	NB: Department permission required for enrolment.	Semester 1, Semester 2
PSYC 4012	Psychology Honours B	12	C PSYC 4011	Semester 1, Semester 2
PSYC 4012	Psychology Honours B	12	C PSYC 4011	Semester 1, Semester 2
PSYC 4013	Psychology Honours C	12	C PSYC 4012	Semester 1, Semester 2
PSYC 4013	Psychology Honours C	12	C PSYC 4012	Semester 1, Semester 2

PSYC 4014	Psychology Honours D	12	C PSYC 4013	Semester 1, Semester 2
PSYC 4014	Psychology Honours D	12	C PSYC 4013	Semester 1, Semester 2
Psychology for Social Work				
SCWK 2001	Psychology for Social Work 201	8	P 48 credit points. N PSYC2111-2114. NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.	Semester 1
SCWK 2002	Psychology for Social Work 202	8	P 48 credit points and SCWK2001 Psychology for Social Work 201 N PSYC2111-2114. NB: This unit is only available to students enrolled in the BSW and combined BA/BSW degrees.	Semester 2

6. Economics units of study

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

Accounting

ACCT 1001 Accounting IA

6 credit points. **Session:** Semester 1, Semester 2. **Classes:** Three hours of lectures/tutorials. **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:** Summer, Semester 1, Semester 2. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT1001. **Assessment:** Continuous assessment based on cases and problems that address relevant commercial and ethical issues. Assessment is on an individual and group basis including class presentations. Assessment also includes a final examination.

NB: Restricted entry

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

ACCT 1003 Financial Accounting Concepts

6 credit points. **Session:** Semester 1. **Classes:** Two lectures per week. **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:** Semester 2. **Classes:** 3 hours of lectures - one 2hr lecture and one 1 hour lecture per week. **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:** Summer, Semester 1, Semester 2. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT1001, ACCT1002 and ECMT1010. **Assessment:** Quizzes; Presentation; 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:** Summer, Semester 1. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT1001 and ACCT1002. **Assessment:** Continuous assessment and final examination.

This course provides students with an introduction to the basics of management/cost accounting. Areas specifically covered include: cost terms and purposes, cost behaviour, cost-volume-profit analysis, cost estimation, basic and alternative product costing methods (including activity-based costing), detailed study of the mechanics of the budgeting process (master budgets, flexible budgets, standard costing and variance analysis), decision making using relevant costs/revenues and cost allocation.

ACCT 2101 Accounting Exchange

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

NB: Department permission required for enrolment.

ACCT 2102 Accounting Exchange

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

NB: Department permission required for enrolment.

ACCT 3001 Financial Accounting B

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT2001. **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 of goodwill and outside equity interests, foreign currency transactions and translation, equity accounting and consolidated statements of cash flow. This unit attempts to develop students' understanding of disclosure and valuation issues in accounting and their ability to understand and critically evaluate current issues in accounting regulations and practice.

ACCT 3002 Management Accounting B

8 credit points. **Session:** Semester 2. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT2002. **Assessment:** Continuous assessment and final examination.

Management Accounting B deals with the theory and practice of a selection of contemporary management accounting issues. The course begins by examining the influences that impact upon the design of an organisation and its management accounting system. Behavioural factors, rather than technical factors, are highlighted and a range of organisational settings and management levels are reviewed. The unit then examines advanced issues relevant to operational management accounting. While this section of the course builds on the foundations laid in Management Accounting A, the focus remains on the behavioural implications of accounting techniques for making decisions in organisations.

ACCT 3003 Financial Statement Analysis

8 credit points. **Session:** Semester 1. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT2001 and FINC2001. **Assessment:** Three group case studies; Tutorial participation; Final exam.

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

ACCT 3004 Auditing

8 credit points. **Session:** Summer, Semester 2. **Classes:** Three hours of lectures/tutorials. **Prerequisites:** ACCT3001. **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 account-

ing 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:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ACCT 3102 Accounting Exchange

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

ACCT 3103 Accounting Exchange

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

ACCT 4101 Accounting Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Assessment:** Course work; Thesis.

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

Honours study within the Discipline is directed at:

- increasing students' analytic and constructive skills beyond the level acquired in undergraduate Pass level units;
- providing a foundation for the conduct of applied research in accounting; and
- conducting research in the form of a research report.

These skills are developed through the completion of an additional (fourth) year of study that may be either a full- or a part-time basis, though the former is more common.

ACCT 4102 Accounting Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Corequisites:** ACCT4101. **Assessment:** Course work; Thesis.

ACCT 4103 Accounting Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Corequisites:** ACCT4102. **Assessment:** Course work; Thesis.

ACCT 4104 Accounting Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** B Com, major in ACCT with Credit average overall and a Distinction average for second and third year units in Accounting. **Corequisites:** ACCT4103. **Assessment:** Course work; Thesis.

Business Information Systems

INFS 1000 Business Information Systems Foundations

6 credit points. **Session:** Semester 1, Semester 2, Summer. **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 this unit, you will develop an understanding of IT as an enabler of innovation and a tool for getting the right information into the hands of the right people at the right time. You will learn how businesses operate and are managed, and how business information systems support business operations and management. You will become familiar with the technical foundations of information systems and appreciate how technology is critical to the success of business. Sound programming concepts will be developed through the use of VBA for Excel.

INFS 2000 Business Information Systems

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ACCT 1002 or ACCT 1004 and INFS 1000 or ISYS 1003 or INFO 1003. **Assessment:** Major assignment; Mid-semester test; Tutorial participation; Final exam.

This unit is designed to help you understand the firm's information environment from the perspective of users, evaluators and designers and how business processes impact on the appropriateness of information system design. It will raise your awareness of managers' professional and legal responsibility for the design, operation and control of business information system applications, as it pertains to business events narrowly defined as accounting transactions. You will learn how to integrate both accounting and non-accounting functions to support the information needs of all users in a modern organization and how to mitigate risks associated with a loss of control. You will gain knowledge of approaches and methodologies used in design, including structured design, computer aided software engineering and prototyping.

INFS 2005 Business Process Integration & Modelling

8 credit points. **Session:** Semester 2. **Classes:** 3 hours (lecture, workshop and tutorial). **Prerequisites:** INFS2000 or ACCT2003. **Assessment:** Unannounced Quizzes; Major assignment; Final exam.

This unit will provide you with an overview of business process integration from a management perspective in the context of integrated information systems and inter-enterprise integration models. You will learn and apply concepts, strategies, tools and technologies for modelling, analysis and redesign of business processes and their integration. The unit will help you develop a basic understanding of enterprise resource planning or packaged software solutions and application integration and encourage you to explore the various technologies, models and middleware available for the integration of various business applications in business-to-business (B2B) situations. 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:** Semester 1. **Prerequisites:** INFS2000 or ACCT2003. **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. In particular, you will learn management applications of Information Technology (IT) and IT management in organisations. Since successful businesses have long recognised that information is a resource that must be managed, you will be alerted to the problems that can arise from too much or too little information improperly correlated or analysed and information distributed in an inefficient or inappropriate manner. This unit will prepare you for the challenges of managing information from the end-user perspective.

INFS 3005 Enterprise Systems

8 credit points. **Session:** Semester 1. **Classes:** 3 hours (lecture, workshop and tutorial).

Prerequisites: INFS2005 or ACCT2003. **Assessment:** Tutorial participation/minor assignments; Mid-semester exam (theory and lab); Major assignment; Final exam.

This unit will provide you with an overview of enterprise-wide computing and integrated enterprise systems concepts with the help of packaged software solutions. You will become familiar with Enterprise Resource Planning (ERP), be exposed to the functionality of enterprise-wide systems such as SAP R/3 and develop a high level understanding of its underlying business processes and their method of integration. The unit will equip you with a thorough understanding of the process flows in procurement, production management, customer order management, customer service and financial accounting and controlling through detailed exploration of the SAP R/3 system software. The integrative capabilities of enterprise system software, and its potential benefits and limitations to the businesses are highlighted throughout.

INFS 3010 IT Assurance and Control

8 credit points. **Session:** Semester 1. **Prerequisites:** INFS2000 or ACCT2003. **Assessment:** Class participation, Examination, Individual assignments and Group projects.

This unit will introduce you to concepts, tools and techniques that will assist you in identifying, managing and providing assurance with respect to key risk and critical control areas in the acquisition, implementation and operation of information systems. In examining different stages of the information system lifecycle, you will learn about: relevant legal, professional and technical requirements in different contexts; how the application of appropriate risk management and control frameworks may serve to identify and mitigate potential risk areas; and audit standards and approaches that provide assurance as to the effectiveness of processes and controls. The unit takes a multidisciplinary focus examining ways in which accountants, information system auditors, IT and business managers bridge the gaps between business risks, control needs and technical issues. The theoretical and conceptual material covered in lectures is reinforced through practical demonstrations in a purposely built IT penetration laboratory as well as case study analysis.

INFS 3015 Managing Information & Knowledge Assets

8 credit points. **Session:** Semester 2. **Prerequisites:** INFS2000 or ACCT2003 and at least 48 credit points. **Assessment:** Individual assignment; Class participation; Final exam.

Organisations and individuals are often overwhelmed by the amount and diversity of digital information they need (or are required by law) to manage and maintain. This unit introduces you to the concepts of information, content and knowledge management and the systems that enable the acquisition, storage and distribution of business information, an understanding of which is crucial for your role as a future business manager. Adopting a socio-technical systems design approach, you will develop your understanding of the theory and practical skills required to effectively design and deliver web content to different kinds of users in a variety of formats. Specific emphasis is placed on the design of usable, scalable, standards-based web information resources.

INFS 3020 e-Commerce Business Models

8 credit points. **Session:** Semester 2. **Prerequisites:** One of INFS1000, ISYS1003 and INFO1000. Also at least 48 credit points. **Assessment:** Tutorials; Examinations; Group project; Individual assignments.

This unit will provide you with a detailed overview of the concepts and processes used in doing business electronically in the new digital economy and e-business era. These concepts and tools will enable you to analyse, evaluate, synthesise and implement e-commerce business models. Importantly, this unit will provide the critical link between technologies and the firm's performance and takes a business management perspective in teaching and learning. The emphasis is on the way technologies enable the business and its effective management, rather than the technologies.

INFS 3090 Business Information Systems Project

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Department permission and at least 48 credit points. **Assessment:** Project 100%.

NB: Department permission required for enrolment.

INFS 4101 Business Information Systems Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems.

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

This unit is part of the Honours in Business Information Systems. The unit is intended to ensure that students have a sound grounding in research philosophy as is relevant to Business Information Systems. The unit is designed to develop a foundation for developing your knowledge and skills as researchers throughout the Honours year. While the core will remain constant the focus of this unit may vary given the research requirements and interests of the students taking the unit.

INFS 4102 Business Information Systems Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems.

Corequisites: INFS4101.

This unit will ensure that you have a solid understanding of contemporary issues in BIS. You will analyse critical industry issues and evaluate the theoretical contributions that are available to address these issues. You will have the opportunity to explore your own research interests and issues of concern to theory and practice.

INFS 4103 Business Information Systems Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems.

Corequisites: INFS4102.

This unit will ensure that you have a solid grounding in research methods of particular concern to BIS. You will develop skills required for data collection, analysis and presentation as well as for the preparation and presentation of a BIS thesis. The knowledge you will acquire complements the Research Philosophy knowledge and skills acquired in BIS Honours A. You will have the opportunity to explore your own research interests.

INFS 4104 Business Information Systems Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems.

Corequisites: INFS4103.

This unit will ensure that you have a solid grounding in the management of BIS at a strategic level. It will help you develop an understanding of strategic BIS planning, implementation and evaluation at organisational and inter-organisational levels. You will explore the potential impact of BIS in industry transformation. The unit provides you with opportunities to explore your own research interests.

Commercial Law**CLAW 1001 Commercial Transactions A**

6 credit points. **Session:** Semester 1, Semester 2. **Classes:** Three lectures and one tutorial per week. **Assessment:** Exam, Mid-Semester Test, Tutorial Assessment, Case Analysis.

This unit of study is concerned with the fundamental elements of business law. It commences with an overview of the Australian legal system (sources of law, parliament, courts, statutory interpretation, doctrine of precedent), including an examination of those provisions in the Commonwealth Constitution relevant to business and commercial activities. The unit continues with a detailed study of those aspects of the law of contract that underlie all commercial transactions and are the essence of commercial law (formation of contract, terms of a contract, factors affecting the validity and enforcement of contracts, termination, remedies for breach of contract).

Basic elements of the law of agency, criminal law and the law of torts (in particular, negligence and negligent misstatement) are also examined. The unit concludes with an examination of some of the key provisions of the Trade Practices Act 1974 (Cth) including those relating to misleading and deceptive conduct and manufacturers' liability.

CLAW 1002 Commercial Transactions B

6 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW1001. **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:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

CLAW 2001 Corporations Law

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** Any 4 full semester first year units of study including CLAW1001. **Assessment:** Mid-semester exam (take home); Final exam.

This unit begins with a brief comparison of business entities, especially partnership. The concept and process of incorporation are examined. Company finance, both equity and debt finance, and the maintenance of the company's share capital will be studied as well as the topics of accounts, auditors, and companies in financial difficulty. The management of companies and directors' duties will be explored as well as the rights and remedies of company shareholders. Company takeovers, prospectus provisions and securities regulation will also be discussed but studied in more depth in the elective, CLAW2003 Stock Markets and Derivatives Law.

CLAW 2002 Bankruptcy and Insolvency

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW2001. **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. The structure of the insolvency profession and proposals for reform are also explored.

CLAW 2003 Stock Markets and Derivatives Law

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW2001. **Assessment:** Assignment; Test; Final exam.

This unit begins with a study of the powers of the Australian Securities and Investment Commission with reference to recent ASIC investigations. The functions of the Australian Stock Exchange and those of securities dealers and investment advisers are examined as well as the relationship between broker and client. The market offences of market manipulation and insider trading are explored. Public funding of companies and prospectus provisions are studied along with the liability of officers and independent experts concerning the prospectus. The topic of mergers and acquisitions examines acquisitions, relevant interests, takeover schemes and announcements, and the liability of parties to a takeover. Exchange traded futures and options and OTC derivatives are also examined.

CLAW 2004 Banking and Finance Law

8 credit points. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW1001. **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:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW1001. **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 e-Commerce

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** 48 credit points. **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 of the electronic media. The unit also covers basic introductory legal skills such as legal research, writing and citation as well as an introduction to electronic commerce, the history and operation of the Internet and major tools used in electronic commerce.

CLAW 2007 Legal Ethics and the Professions

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW1001. **Assessment:** Research Paper, Class work, Exam.

This unit of study begins with an introduction to the origin of ethics and an explanation of the ethical framework applied throughout the course. The significance of ethics to the major professions in the business world is the primary focus of this unit of study. The unit of study uses case studies to examine consequences for the stakeholders of decisions made by professionals including: accountants, auditors, business information system managers, lawyers, company officers, financial service providers such as brokers and advisors and marketing managers. This unit of study concludes with an analysis of the theoretical bases for the ethical framework applied in the unit of study.

CLAW 2101 Commercial Law Exchange

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

CLAW 3001 Australian Taxation System

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** CLAW2001. **Assessment:** Tutorial assessment; Two class tests; Assignment; Final exam.

This unit is an introduction to taxation law. It commences with an overview of the Australian tax system, discusses contemporary tax issues and then deals with specific topics, viz. basis of liability to Australian income tax, concepts of residence and source of income, meaning of income, tax accounting, statutory concepts of income, taxation of fringe benefits, basis of liability to capital gains tax and allowable deductions. It concludes with a study of the general anti-avoidance sections.

CLAW 3002 Tax Strategies in a Business Environment

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** CLAW2001, CLAW3001. **Assessment:** Classwork; Assignment; Final exam.

This unit deals with taxation issues in a business environment. In addition to income tax, the Goods and Services Tax is studied. The following topics are included: trading stock, capital allowances, taxation of partnerships and trusts including the application of capital gains tax to interests in these entities, carry forward of losses, taxation of companies, dividend imputation tax, capital gains tax application to shares and other interests in companies, intellectual property, collection of income tax instalments, amendment of assessments, objections and appeals, taxation of non-residents, withholding tax, foreign tax credits, international tax treaties, profit shifting and tax avoidance. The unit emphasises business tax planning issues.

CLAW 3005 Marketing and the Law

8 credit points. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** Students enrolled in the Marketing major must complete MKTG1001 or MKTG2001 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.

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 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 is the review of current regulation as well as new regulations covering areas such as the Internet and other technologies now being used to assist in marketing or selling goods.

CLAW 4101 Commercial Law Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Bachelor of Commerce with a major or minor in Commercial Law with a minimum Credit average.

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

Honours study is directed at:

- increasing students' analytic/constructive skills beyond the level acquired in undergraduate pass level units;
- providing a foundation for the conduct of applied research in law; and
- conducting research in the form of a research report.

These skills are developed through the completion of an additional (fourth) year of study that may be either a full- or a part-time basis, though the former is more common.

CLAW 4102 Commercial Law Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** CLAW4101.

CLAW 4103 Commercial Law Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** CLAW4102.

CLAW 4104 Commercial Law Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** CLAW4103.

Econometrics and Business Statistics

ECMT 1010 Business and Economic Statistics A

6 credit points. **Session:** Semester 1, Semester 2. **Assessment:** Quizzes; Tutorial questions; Exams; Assignment.

This unit provides an introduction to basic statistics and its applications in economics and business disciplines. Topics include: methods for data management; analysis and interpretation of data; probability; the normal distribution; an introduction to sampling theory and hypothesis testing; and the concepts of regression analysis. A key component is the provision of instruction and experience in the use of computers and statistical software as an aid in the analysis of data. Students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

ECMT 1020 Business and Economic Statistics B

6 credit points. **Session:** Summer, Semester 2. **Corequisites:** ECMT1010. **Assessment:** Two quizzes; Tutorial questions; Mid-semester examination; Assignment; Final exam.

NB: Other than in exceptional circumstances, it is strongly recommended that students do not undertake Business and Economic Statistics B before attempting Business and Economic Statistics A.

This unit broadens the knowledge gained in the unit, ECMT1010 Business and Economic Statistics A by introducing further tools (and their applications) for use in economics, finance, marketing and accounting. This unit features practical applications. Possible topics include: further aspects of hypothesis testing including goodness-of-fit models; regression analysis including a brief introduction to logit models, time series and its applications to economics and finance; input-output analysis; index numbers and mathematics of finance. The material is further complemented by mathematical topics including matrices and partial differentiation. In addition, students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

ECMT 2010 Regression Modelling

8 credit points. **Session:** Semester 1. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT1010 and ECMT1020. **Assessment:** Workbooks; Project; Mid-semester exam; Final exam.

Students undertaking this unit have some background in basic statistics including an introduction to regression analysis. Using this knowledge as a base, an extensive discussion of basic regression theory and some of its extensions is provided. The unit covers how linear regression models can be applied to data to estimate relation-

6. Economics units of study

ships, to forecast, and to test hypotheses that arise in economics and business. Guidelines for using econometric techniques effectively are discussed and students are introduced to the process of model building. It is essential that the discussion of regression modelling be complemented with practice in analysing data. An important task is the computing component using econometric software.

ECMT 2021 Analysis of Discrete Choice Data

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Workbooks; Project; Mid-semester Exam; Final exam.

Data that are qualitative or discrete present particular problems for data analysts. What influences an individual to work part-time rather than full-time, or use public transport rather than drive to work, or to choose one brand of detergent over another? Why do certain firms choose particular accounting procedure over another? In these examples of modelling choice data, standard linear regression models are inappropriate. This unit considers the specification, estimation and use of statistical models that are necessary to analyse such questions. These may include the logit, probit and multinomial logit models. Special emphasis is placed on illustrating the appropriate application of such models using case studies and data drawn from marketing, accounting, finance and economics.

ECMT 2030 Financial Econometrics

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Two assignments; Final exam.

Over the last decade econometric modelling of financial data has become an important part of the operations of merchant banks and major trading houses and a vibrant area of employment for econometricians. This unit provides an introduction to some of the widely used econometric models for financial data and the procedures used to estimate them. Special emphasis is placed upon empirical work and applied analysis of real market data. Topics covered may include the statistical characteristics of financial data, the specification, estimation and testing of asset pricing models, the analysis of high frequency financial data, and the modelling of volatility in financial returns.

ECMT 2101 Econometrics Exchange

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

ECMT 2102 Econometrics Exchange

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

ECMT 2720 Management Science

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT1010 and ECMT1020. **Assessment:** Two assignments; Test; Final exam.

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 2730 Managerial Decision Making

8 credit points. **Session:** Semester 1. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT1010. **Assessment:** Assignment; Class Tests; Final Exam.

The course is focused on economic and statistical models of decision analysis and their application in large and small business settings, as well as in a public policy framework. It will be shown how use of the models can improve the decision process by helping the decision-maker understand the structure of the decision; incorporate subjective probabilities as a way to portray risk; measure outcomes in a way that is consistent with attitudes toward risk; and understand the value of information. The importance of sensitivity analysis will be emphasised, as well as the need to combine both quantitative and qualitative considerations in decision-making. Cases will be drawn from small business scenarios, the public policy arena, and corporate settings.

ECMT 3010 Econometric Models and Methods

8 credit points. **Session:** Semester 1. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Two Class tests; Assignment; Final exam.

This unit extends methods of estimation and testing developed in association with regression analysis to cover econometric models involving special aspects of behaviour and of data. In particular, motivating examples are drawn from dynamic models, panel data and simultaneous equation models. In order to provide the statistical tools to be able to compare alternative methods of estimation and testing, both small sample and asymptotic properties are developed and discussed.

ECMT 3020 Applied Econometrics

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT3010. **Assessment:** Project; Final exam.

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 are discussed and necessary research skills developed. In particular, the links between econometric models and the underlying substantive knowledge or theory associated with the particular application are stressed. Topics may include error correction models, systems of consumer demand equations, and structural and vector auto-regressive (VAR) macroeconomic models. Research papers involving empirical research are studied and an integral component of the unit is a major project involving a substantial piece of econometric modelling.

ECMT 3030 Forecasting for Economics and Business

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Assignments; Two tests; Final exam.

The need to forecast or predict future values of economic time series arises frequently in many branches of applied economic and commercial work. It is, moreover, a topic which lends itself naturally to econometric and statistical treatment. The specific feature which distinguishes time series from other data is that the order in which the sample is recorded is of relevance. As a result of this, a substantial body of statistical methodology has developed. This unit provides an introduction to methods of time series analysis and forecasting. The material covered is primarily time domain methods designed for a single series and includes the building of linear time series models, the theory and practice of univariate forecasting and the use of regression methods for forecasting. Throughout the unit a balance between theory and practical application is maintained.

ECMT 3050 The Econometrics of Financial Markets

8 credit points. **Session:** Semester 1. **Classes:** Three hours of lectures and one tutorial per week. **Prerequisites:** ECMT1010, ECMT2010 and ECMT2030. **Assessment:** Assignments; Tests and Final Exam.

This unit develops the econometric models and methods employed for the analysis of data arising from the financial markets. It extends and complements the material covered in ECMT2030. The unit will cover econometric models that have proven useful for the analysis of both time series and cross-sectional financial data over the last two decades. Modern statistical methodology will be introduced for the estimation of such models. The econometric models and associated methods of estimation will be applied to the analysis of a number of financial datasets. Students will be encouraged to undertake hands on analysis using an appropriate computing package. Topics covered include continuous time diffusions for financial returns, discrete time financial time series, modelling conditional volatility, multivariate financial econometric models, the econometrics of financial derivatives, modelling of high frequency financial data and contemporary asset pricing. The focus of the unit will be in the econometric models and methods that have been developed recently in the area of financial econometrics.

ECMT 3101 Econometrics Exchange

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

ECMT 3102 Econometrics Exchange

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

ECMT 3210 Statistical Modelling

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Assignments; Tests; Final exam.

This unit provides an accessible foundation in the principles of probability and mathematical statistics that underlie the statistical techniques employed in the fields of econometrics and management science. These principles are applied to various modelling situations and decision making problems in business and economics.

ECMT 3710 Management Science Models and Methods

8 credit points. **Session:** Semester 1. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Four assignments; Two tests; Final exam. This unit presents formulation guidelines for management science models to provide practical assistance to managerial decision making. Optimisation methods are developed so the complexity and limitations of optimisation model categories can be accounted for in model selection and in the interpretation of results. Linear programming methods are developed and extended to cover variations in the management context to logistics, networks, and strategic planning. Decision analysis and competitive structures including hierarchy structures complete a rounded program for managerial application. The unit covers a variety of case studies incorporating commercial research processes for decision support.

ECMT 3720 Stochastic Modelling for Management

8 credit points. **Session:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECMT2010. **Assessment:** Project; Three quizzes. Much decision making in a managerial environment involves uncertainty and any decision is only as good as one's knowledge of the uncertainties. This unit commences with a review of probability theory. Birth-death processes are also covered with examples from memory less queues and maintenance policies. In addition, the unit covers how simulation can be used, both as a modelling tool and as an optimisation technique. Some models in inventory with uncertain demand, like the newsvendor problem, are looked at and, if time permits, Markov chain modelling and analysis is also discussed.

ECMT 4011 Statistical Foundations of Econometrics

6 credit points. **Session:** Semester 1. **Prerequisites:** ECMT1010, ECMT2010, ECMT3010 and ECMT3020.

NB: Department permission required for enrolment. This unit is the core econometric methodology unit in honours in Econometrics & Business Statistics. Students not undertaking honours (full or joint) must obtain the permission of the Head of Discipline to enrol in this unit.

ECMT 4101 Econometrics Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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. Please see the Discipline website for entry requirements for enrolling in honours.

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

The honours year provides basic professional expertise in the general area of econometrics through instruction in advanced theory, and experience in independent research. Honours students are required to (a) complete four semester units of instruction, (b) submit a dissertation not exceeding 65 A4 pages of typescript, and (c) attend and participate in Discipline research seminars. The dissertation topic must be approved by the Discipline and progress reports are to be presented every semester. Candidates must enrol in ECMT4101, ECMT4102, ECMT4103 and ECMT4104 to complete the Honours degree. Please consult the discipline website for details before enrolling in honours.

ECMT 4102 Econometrics Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ECMT4101.

ECMT 4103 Econometrics Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ECMT4102.

ECMT 4104 Econometrics Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ECMT4103.

ECMT 4601 Management Science Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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. Please see the Discipline website for entry requirements for enrolling in honours.

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

The honours year provides basic professional expertise in the general area of Management Decision Sciences, through instruction in advanced theory and experience in independent research. Honours students are required to (a) complete four semester units of instruction, (b) submit a dissertation not exceeding 65 A4 pages of typescript, and (c) attend and participate in Discipline research seminars. The dissertation topic must be approved by the Discipline and progress reports are to be presented every semester. Students should consult the discipline website before enrolling in honours in Management Decision Sciences.

ECMT 4602 Management Science Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ECMT4601.

ECMT 4603 Management Science Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ECMT4602.

ECMT 4604 Management Science Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** ECMT4603.

Economics**ECON 1001 Introductory Microeconomics**

6 credit points. **Session:** Semester 1, Summer. **Classes:** Two lectures and one tutorial per week. **Assumed Knowledge:** Mathematics. **Assessment:** Assignments; Mid-semester exam; Final exam.

Introductory Microeconomics addresses the economic decisions of individual firms and households and how these interact in markets. It is a compulsory core unit for the Bachelor of Economics and Bachelor of Commerce and an alternative core unit for the 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:** Summer, Semester 2. **Classes:** Two lectures and one tutorial per week. **Assumed Knowledge:** Mathematics. **Assessment:** Assignments; Mid-semester exam; Final exam.

Introductory Macroeconomics addresses the analysis of the level of employment and economic activity in the economy as a whole. It is a compulsory core unit for the Bachelor of Economics (BEc) and for the Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science.

Introductory Macroeconomics examines the main factors that determine the overall levels of production and employment in the economy, including the influence of government policy and international trade. This analysis enables an exploration of money, interest rates and financial markets, and a deeper examination of inflation, unemployment and economic policy.

ECON 2001 Intermediate Microeconomics

8 credit points. **Session:** Summer, Semester 1, Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECON1001. **Corequisites:** ECMT1010 or 101X. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Summer, Semester 1, Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECON1002. **Corequisites:** ECMT1020 or 102X. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Semester 1, Semester 2. **Prerequisites:** ECON1001 and ECON1002.

NB: Department permission required for enrolment.

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

ECON 2102 Economics Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECON1001 and ECON1002.

6. Economics units of study

NB: Department permission required for enrolment.

ECON 2201 Economics of Competition and Strategy

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** ECON1001. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Department permission required for enrolment.

This course introduces new and comprehensive methods for the analysis and formation of business strategy. The unit analyses strategies for developing competitive advantages, including product differentiation, cost advantages and product life cycles; implementing incentives, control, firm boundaries, and internal firm decision-making mechanisms; implementing pricing, auction and signalling practices; assessing industry attractiveness and the regulatory trade practices environment; and managing industry cooperation and conflict. Students are taught a set of tools that they can bring to bear on new problems. Understanding competitive dynamics and strategic thinking are emphasised. Case studies and problem-solving form an important part of the teaching method.

ECON 2901 Intermediate Microeconomics Honours

8 credit points. **Session:** Semester 1. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECON1001 and ECON1002 with a Credit average or better in the two units combined. **Corequisites:** ECON2903 and ECMT1010 or ECMT101X. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.

This unit is comprised of lectures based upon the curriculum for ECON2001 Intermediate Microeconomics, supported by a seminar for one hour a week. The content of lectures reflect a more analytical and critical treatment of the topics than ECON2001. 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:** Semester 2. **Classes:** Three lectures and one tutorial per week. **Prerequisites:** ECON2901. **Corequisites:** ECON2904 and ECMT1020 or ECMT102X. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.

This unit is comprised of lectures based upon the curriculum for ECON2002 Intermediate Macroeconomics, supported by a seminar for one hour a week. The content of lectures reflects a more intensive treatment of the topics than ECON2002. Topics covered include: models of the goods, money and labour markets; macro-economic relationships such as consumption, investment, demand for money and labour demand and supply; macro-dynamic relationships, especially those linking inflation and unemployment; exchange rates and open economy macroeconomics; theories of economic growth; productivity and technological change; the dynamics of the business cycle; and the relationship between micro- and macro-economic policy.

ECON 2903 Mathematical Economics A

4 credit points. **Session:** Semester 1. **Classes:** Two lectures per week. **Corequisites:** ECON2901. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Classes start in Week 3

This unit provides an introduction to mathematical techniques commonly employed by economists. Topics include: limits, continuity, differentiation of single- and multi-variable functions, unconstrained and constrained optimisation.

ECON 2904 Mathematical Economics B

4 credit points. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** ECON2903. **Corequisites:** ECON 2902. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Classes start in Week 3

This unit follows on from ECON2903 Mathematical Economics A. Topics include: integration techniques, linear algebra (with applications to comparative statics and optimisation) and economic dynamics.

ECON 2914 Economics Exchange

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

NB: Department permission required for enrolment.

ECON 3001 Capital and Growth

8 credit points. **Session:** Semester 1. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901, ECOP2001, plus one of ECON2002, ECON2902, ECOP2002. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit is an introduction to economic growth including its causes and consequences. The role of capital, technological progress, and other determining factors of the development of economies are studied from the point of view of alternative economic theories. The potential effects of growth and structural change on welfare, income

distribution, and employment are looked at in the same contexts with some consideration of the empirical evidence. The role of alternative economic policies and economic institutions in promoting growth is also discussed.

ECON 3002 Development Economics

8 credit points. **Session:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2002, ECON2901, ECON2902. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit examines the role of the state, rationale for planning and market mechanisms in developing economies, and also the socio-cultural preconditions and economic requirements for a market economy. It focuses on a wide range of developmental problems and issues from both microeconomic and macroeconomic points of view. It closely studies the integration process of the traditional segment of a developing society into its modern counterpart in countries selected from Asia, Africa, Latin America, the Caribbean, and the Pacific regions.

ECON 3003 Hierarchies, Incentives & Firm Structure

8 credit points. **Session:** Semester 1. **Classes:** Three lectures per week. **Prerequisites:** Either ECON2001 or ECON2901. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit deals with the coordination and motivation problems faced by firms. More specifically this unit examines: whether firms use price or command mechanisms to allocate resources within firms; the problems associated with designing incentive contracts; the principles of efficient contract design and; the real world applications of those principles. The final section deals with the manner in which the coordination and motivation problems faced by firms determines their financial, vertical and horizontal structure.

ECON 3004 History of Economic Thought

8 credit points. **Session:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2002, ECON2901, ECON2902, ECOP2001, ECOP2002. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Summer, Semester 1. **Classes:** Three lectures per week.

Prerequisites: One of ECON2001, ECON2901. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit of study provides a systematic analysis of the theory of international trade and trade policy. Initially differences between countries are emphasised as the source of trade and the gains from trade. Models that are examined include the Classical-Ricardian model, the Heckscher-Ohlin model and the Specific-Factors model. Next economics of scale and imperfect competition are introduced as sources of trade and gains from trade. The unit concludes with an examination of empirical studies aimed at testing trade theories. The analysis of trade policy begins with a discussion of the instruments of trade policy, in particular, tariffs and quotas and their effect on welfare. This discussion is then extended to the case of imperfect competition and strategic trade policy.

ECON 3007 International Macroeconomics

8 credit points. **Session:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2002, ECON2902. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit studies macroeconomic theory and policy in a global trading world. The microfoundations of the various sectors are examined in the context of an open economy. The evolution of international money and capital markets is described, the operation of the foreign

exchange market is examined, showing how its microstructure affects its macro performance. Theories and tests of the efficiency of international capital markets are surveyed, as well as core theories and tests of exchange rate and asset price determination. The unit develops the macroeconomic implications of monetary and fiscal policies for small and large open economies for different regimes.

ECON 3008 Labour Economics

8 credit points. **Session:** Semester 1. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901, ECOP2001, plus one of ECON2002, ECON2902, ECOP2002. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit aims to provide an understanding of labour markets and related issues such as work conditions, pay and employment levels. Labour supply and demand, theories of wage determination, labour mobility and discrimination are examined. It also analyses the role of trade unions and labour market contracts. These topics are applied to current issues in Australian labour markets such as enterprise bargaining, the role of centralised wage fixing systems, training and other labour market programs. Policies designed to improve the functioning of the labour market are examined and particular attention is given to the problem of persistent unemployment.

ECON 3009 Markets, Regulation & Government Policy

8 credit points. **Session:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901, ECOP2001 plus one of ECON2002, ECON2902, ECOP2002. **Assessment:** Assignments; Mid-semester exam; Final exam.

This unit addresses contemporary economic issues drawn from a particular area. The focus of the unit varies from year to year. Examples include housing economics, health economics, trade practices or economies in transition. The unit shows how economic analysis is used to provide an understanding of particular markets, emphasising the institutional setting and the economic rationales for government intervention.

ECON 3010 Monetary Economics

8 credit points. **Session:** Semester 1. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901, ECON2002, ECON2902. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Semester 1. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901. **Assessment:** Assignments; Mid-semester exam; Final exam.

Public Finance is about the taxing and spending decisions of governments. The unit covers a wide range of public finance topics. After an introduction to welfare economics and the role of government in the economy, the unit focuses on the revenue side of the budget: tax incidence, efficient and equitable taxation, the Australian system of revenue raising, issues of tax reform and the theory and practice of public utility pricing. It then focuses on the expenditure side of the government budget: public goods, externalities, and programs aimed at redistribution. It also introduces techniques of policy evaluation.

ECON 3012 Strategic Behaviour

8 credit points. **Session:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001, ECON2901. **Assessment:** Assignments; Mid-semester exam; Final exam.

To think and act strategically, one needs to evaluate the effect of one's actions on the actions of others. As most economic decisions are strategic, such as the decision to lower a price or introduce a new tax, economics, if it is to avoid simplistic models, requires a theoretical framework capable of illuminating strategic behaviour. This unit offers a comprehensive, critical introduction to the theory which purports, not only to satisfy this theoretical need, but also potentially to unify the social sciences: game theory. After examining important concepts of game theory, the unit investigates the repercussions for the theory of bargaining and for the evolution of social institutions.

ECON 3013 Environmental and Resource Economics

8 credit points. **Session:** Semester 2. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001 and ECON2901 together with one of ECON2002 and ECON2902. **Assessment:** Final Exam; Mid-term exam; other assessments.

It is well-known that competitive markets result in a resource allocation that is Pareto Efficient. However, there are many reasons why markets may fail to deliver efficiency. These include, the existence of imperfect competition, externalities, and public goods. It is well

known that in the presence of these market failures there is a role for government policy. In this unit of study emphasis is exclusively concerned with market failures that impact on the environment and the use of natural resources. Attention is given to what role, if any, there is for regulation and government policy. Topics covered include efficiency and markets, market failure, externalities (pollution), various methods of regulating pollution, measuring the demand for environmental quality, economics of natural resources, renewable resources, finite resources, and various methods of regulating the use of these resources.

ECON 3015 Law and Economics

8 credit points. **Session:** Semester 1. **Classes:** Three lectures per week. **Prerequisites:** One of ECON2001 and ECON2901 together with one of ECON2002 and ECON2902. **Assessment:** Assignments; Mid-semester exam; Final exam.

Law and economics examines the economic role of law and legal institutions on the actions of economic agents. The economic analysis of law is founded on models of human behaviour and examines how decision making is affected by different legal regimes. The behavioural approach gives rise to a set of principles that can be applied widely across disparate areas of the law, and is becoming increasingly important world-wide, as such analysis is often utilized in courts and public policy forums. The unit begins with a revision of relevant tools of economic analysis. Subsequently, it studies the economics of various branches of law such as: property; contract; nuisance; accident and liability law; and, criminal law.

ECON 3101 Economics Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECON2001 and ECON2002 or ECON2901 and ECON2902.

NB: Department permission required for enrolment.

ECON 3102 Economics Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECON2001 and ECON2002 or ECON2901 and ECON2902.

NB: Department permission required for enrolment.

ECON 3103 Special Topics in Economics

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** 3 lectures per week. **Prerequisites:** ECON2001 and ECON2002 or ECON2901 and ECON2902. **Assessment:** Assignments; Mid-semester exam; Final exam.

NB: Department permission required for enrolment. Check with Department if unit is to be taught

Study of a special topic in Economics. Topics will vary from semester to semester according to staff availability and the presence of visitors. If taught in both semesters, the topic in Semester 2 will be different to that in Semester 1.

ECON 3104 Economics Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECON2001 and ECON2002 or ECON2901 and ECON2902.

NB: Department permission required for enrolment.

ECON 3901 Advanced Microeconomics: Theory & Policy

8 credit points. **Session:** Semester 1. **Classes:** Two lectures and one workshop per week. **Prerequisites:** ECON2901, ECON2902, ECON2903, and ECON2904 with a Credit average or better over the four units combined. **Corequisites:** ECMT2010. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Semester 2. **Classes:** Two lectures and one workshop per week. **Prerequisites:** ECON3901 and ECMT2010. **Assessment:** Assignments; Mid-semester exam; Final exam.

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:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Prerequisites:** The prerequisite for entry to Economics Honours is at least 24 credit points at 3000 level Economics, including Advanced Microeconomics: Theory and Policy (ECON3901) and Advanced Macroeconomics: Theory and Policy (ECON3902) with a Credit average or better in ECON3901 and 3902; and Regression Modelling (ECMT2010).

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

To complete the requirement for Economics (Honours), students need to complete six semester-length options from a list of options offered and complete a thesis. The list of options available may vary

6. Economics units of study

from year to year, but usually include advanced macroeconomics, advanced microeconomics, development economics, economic classics, industrial economics, international economics, labour economics, and public economics. Candidates must enrol in ECON4102, ECON4103 and ECON4104 to complete the honours year.

ECON 4102 Economics Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Corequisites:** ECON4101. see ECON4101

ECON 4103 Economics Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Corequisites:** ECON4102. see ECON4101

ECON 4104 Economics Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Classes:** Six lectures per week. **Corequisites:** ECON4103. see ECON4101

Finance

FINC 2001 Corporate Finance I

8 credit points. **Session:** Summer, Winter, Semester 1, Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** 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 unit provides an introduction to basic concepts in corporate finance and their application to (1) valuation of risky assets including stocks, bonds and entire corporations, (2) pricing of equity securities, and (3) corporate financial policy decisions including dividend, capital structure and risk management policies. An emphasis is placed on the application of ideas and current practices in each of these areas.

FINC 2002 Corporate Finance II

8 credit points. **Session:** Summer, Semester 2. **Classes:** Two hours of lectures, one workshop and one tutorial per week. **Prerequisites:** FINC2001. **Assessment:** One 3hr exam, Assignments, Mid-semester test.

This unit builds on FINC2001 Corporate Finance I, by extending basic concepts in corporate financing, investing and risk management. The first half of the unit is devoted to current theories of corporate financing and their practical application in corporate investment and capital budgeting. The second half of the unit examines securities and securities markets with an emphasis on pricing, investment characteristics and, importantly, their use by corporations to manage risk. The securities examined include: bonds and related fixed income products; futures; options; and securities denominated in foreign currencies. The goal of the unit is to broaden students' knowledge of corporate finance in preparation for further study in finance in third year.

FINC 2004 Introductory Mathematical Finance

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week; Additional workshops as required. **Assumed Knowledge:** It is recommended that students reach the level of HSC 3 Unit mathematics prior to undertaking the unit. It is also recommended but not required that students either undertake the Maths/Stats major or avail themselves of units offered in mathematics and statistics. Other recommended units providing a useful background include ECON 2001, ECON 2901 and ECON 2903. **Prerequisites:** FINC2001. **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 provides necessary mathematics background. Topics that are introduced from a more mathematical perspective include: principles of modern financial valuation and analysis; asset pricing theory and market efficiency; theory of portfolio selection and management; and measurement and management of financial risk.

FINC 2092 Finance 2 Honours

4 credit points. **Session:** Semester 2. **Classes:** Weekly seminar. **Prerequisites:** Credit or higher grade in FINC 2001; competitive and by application. **Assessment:** Assessment of advanced topics covered.

NB: Department permission required for enrolment.

This unit introduces students to finance research with a specific focus on research in topics covered in FINC2002 Corporate Finance II. These topics include: derivative markets; stock market microstructure; and financial policy. After providing a basic understanding of the research process and the nature of research design, an overview of current trends in finance research in each of the above topic areas is undertaken. Detailed analysis of high quality research in each of these designated areas is required.

FINC 2101 Finance Exchange

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

FINC 2102 Finance Exchange

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

FINC 3001 International Financial Management

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** 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 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. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Assumed Knowledge:** Calculus, regression, probability theory, random distributions. **Prerequisites:** 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. This unit is designed to provide an introduction to this important area of finance without requiring a high level of mathematical sophistication. However, a strong quantitative base is an advantage.

FINC 3003 Mergers and Acquisitions

8 credit points. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week; Additional workshops as required. **Prerequisites:** 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 as they are used by businesses to secure growth. The analysis of mergers and acquisitions tools from modern financial economics is needed. This unit commences with a review of existing business valuation techniques. The unit then examines capital structure decisions and management incentive issues (corporate control) before examining the motives for mergers and acquisitions. Some acquisitions are motivated by value improvement created by correcting incentive problems. Many bad acquisitions however are motivated by bad incentives that decrease value. Corporate governance is concerned with structuring companies to maximise the value of organisation. The emphasis in this unit is a practical one by providing the wherewithal to (re)structure a business, or to provide advice on how wealth can best be created. It aims to prepare students for a career in mergers and acquisitions, as a corporate advisor in a merchant bank or as an analyst employed in broking or funds management.

FINC 3004 Trading and Dealing in Security Markets

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** Mid-semester exam; Final exam; Tutorial work; Project.

This unit is concerned with the processes which turn orders into trades in securities markets, and the forces which mould and affect both order flow and order execution. The unit is an introduction to some fundamental market design and structure ideas. The increased worldwide emphasis on capital markets and stock exchanges have brought market microstructure into the limelight. This unit provides 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 the unit, students should be able to understand (1) how the international markets for foreign exchange, swaps, bonds and equities are organised, (2) how trading is conducted in these markets and how these transactions are cleared, (3) how the markets are regulated, if they are supervised and what risks different counterparties face in these markets. The unit aims to equip students to independently analyse international investment and financing alternatives and to estimate expected returns and costs taking into account liquidity risk, price volatility and credit risk.

FINC 3005 Financial Valuation: Case Study Approach

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures per week; One workshop session (not every week). **Prerequisites:** FINC 2001; FINC 2002 or FINC 2004. **Assessment:** Case study, Workshop work, Exam, Small project.

This unit focuses on the application of financial principles and methods to develop up-to-date problem solving techniques using an applied case study approach. The unit pulls together important contributions from earlier units in the Finance major. Cases include: issues in capital budgeting and cost of capital; financial decision making; and valuation of projects and companies. In addition to lectures, the unit is based around computer lab workshops. There is a strong emphasis on working in teams to solve common problems.

FINC 3007 Investments and Portfolio Management

8 credit points. **Session:** Semester 1. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC 2001; FINC 2002 or FINC 2004.

This unit is designed to provide a comprehensive analytical approach to the modern theory of investments. Topics covered include: the valuation of bonds and stocks; mean-variance analysis; Markowitz type portfolio analysis; duration and convexity analysis; term structure of interest rates; option pricing; portfolio insurance; performance evaluation; and forecasting. Basic statistics and probability concepts are reviewed at the beginning to ensure that all students have adequate understanding. Although analytical aspects of investments theory are stressed, there is also an equal amount of emphasis on the intuitive as well as practical aspects of the subject.

FINC 3008 Bank Financial Management

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one tutorial per week. **Prerequisites:** FINC 2001; FINC 2002 or FINC 2004; ECON 2001 or ECON2901; ECON 2002 or ECON 2902.

The central objective of this unit is to expose students to the basic principles of commercial bank management. The topics that are covered include: the theory and practice of banking from a financial management perspective; banks and the financial services industry; regulatory restrictions and financial management; performance analysis and strategic planning; asset management and liquidity; investment and loan management; liability and deposit management; capital structure and dividend decisions; and financial management implications of electronic banking, international banking, and other developments.

FINC 3093 Finance 3 Honours (Corporate Finance)

4 credit points. **Session:** Semester 1. **Classes:** A weekly workshop/seminar. **Prerequisites:** Credit or higher grade in FINC2001 and (FINC2002 or FINC2004) and FINC2092 or with the permission of the Discipline of Finance. **Assessment:** Seminar presentation; Project; Exam.

This unit consists of a weekly workshop/seminar which deals with more advanced aspects of information transfers between interested parties and modelling of corporate issues such as productivity, remuneration and value. The unit draws on game theory, information economics and modern philosophical materials.

FINC 3094 Finance 3 Honours (Securities Markets)

4 credit points. **Session:** Semester 2. **Classes:** A weekly workshop/seminar. **Prerequisites:** Credit or higher grade in FINC2001 and (FINC2002 or FINC2004) and FINC2092 or with the permission of the Discipline of Finance. **Assessment:** Presentation; Assignment; Exam.

This unit gives students a practical appreciation of how markets operate and how their design impacts on price discovery and trading behaviour. The unit considers who trades, why they trade and how trading takes place. It examines how technology and regulatory changes affect trading behaviour. The unit introduces students to market microstructure research. By studying and critiquing the academic literature, students become familiar with the research questions which have examined and research methods used. This allows students to develop the necessary skills to design and undertake their own research projects in the honours year.

FINC 3101 Finance Exchange

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

FINC 3102 Finance Exchange

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

FINC 4101 Finance Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** FINC2092, FINC3093 and FINC3094 with the grade of Credit or better in at least two, or with the permission of the Head of Discipline.

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

The honours program in Finance is directed at producing extremely high quality graduates who are capable of undertaking research in finance, either via an advanced research degree at the Master's or PhD level or in the financial community in technical/research-related

positions requiring both a high level of analytical skills and an ability to work independently. Graduates are highly sought by investment banking, stockbroking, funds management and management consulting firms.

Typically, semester units are offered in research methodology and computer/data/statistical skills. Other units offered may include:

- corporate finance
- securities market micro-structure
- corporate governance
- financial econometrics, and
- capital markets and information.

Actual offerings in any year depend on staff availability and demand. With approval, the equivalent of a semester unit can be taken from other disciplines or faculties.

The research report is written in the style of an academic article but with a more extensive literature review. Candidates are encouraged to undertake research of an original nature and of publishable quality. Typically the subject areas relate to securities market micro-structure, investments and corporate finance, as these are the areas in which the Discipline has expertise and supervisory skills.

Students who have completed majors in both Finance and Accounting, Finance and Econometrics, Finance and Economics or Finance and Marketing, and who are eligible to undertake fourth year honours programs in at least one discipline area of their two majors, may be eligible to undertake joint honours programs, subject to the approval of the Honours Coordinator in both disciplines.

Candidates must enrol in FINC4102, FINC4103 and FINC4104 to complete the honours year.

FINC 4102 Finance Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** FINC4101.

FINC 4103 Finance Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** FINC4102.

FINC 4104 Finance Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** FINC4103.

Government and International Relations**GOVT 1001 Government Exchange**

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

GOVT 1002 Government Exchange

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

GOVT 1101 Australian Politics

6 credit points. **Session:** Summer, Semester 1, Semester 2. **Classes:** Two lectures and one tutorial per week. **Assessment:** Essay; Exam; Participation; Paper.

This unit introduces students to debates about the nature and limits of Australian democracy, to the major institutions of Australian politics, and to the distribution of power in Australian society. Major institutions and forces such as parliament, executive government, the federal system, political parties and the media are examined as arenas of power, conflict and consensus. Who rules? How? Which groups are excluded?

GOVT 1104 Power in Society

6 credit points. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Assessment:** Critical Reading Exercises; Participation; Case Study; Exam.

This unit provides an introduction to the study of politics through a focus on the key organising principle of political science: power. Different ways in which power is theorised and structured are considered, not with the intention of presenting a universal theory or theories, but rather to find some connections and extensions amongst a wide variety of experiences of political power. In particular this unit considers the way power operates in Australian society in relation to political decision making. The unit draws on case studies in order to combine the study of key political ideas and concepts with practical examples from our daily lives (e.g. diet, transport, drugs, clothing etc.).

GOVT 1105 Geopolitics

6 credit points. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week.

This unit will examine how the contemporary international political order has emerged by focusing upon the interplay of diplomatic and strategic issues in the post-war world. It will begin with an analysis of the Cold War and its origins, tracing the development of Soviet-American rivalry, its manifestations in Europe, Asia, Africa and Latin America, and the different ways in which that rivalry was played out. The collapse of the Soviet Union as both a superpower and a state and the disappearance of the communist bloc will be analysed, before surveying the post-Cold War international scene.

6. Economics units of study

Among the issues reviewed in the post-Cold War era will be the question of US hegemony and unilateralism vs. multilateralism, nuclear proliferation, the continuing tension between the first and the third worlds, questions of civilisational conflict, non-state actors and terrorism, democratisation, and regional conflict.

GOVT 1202 World Politics

6 credit points. **Session:** Summer, Semester 2. **Classes:** Two lectures and one tutorial per week. **Assessment:** Assignment; Essay; Exam; Participation.

This unit introduces the core content of the field of international relations. The first part of the unit presents the realist, liberal, Marxist and constructivist paradigms of international relations. The second part of the unit discusses the key actors and processes political scientists define in the field, including the state, decision makers, bureaucratic organisations, and classes. The final part of the unit focuses on international security, international political economy, and global problems.

GOVT 1406 International Business and Politics

6 credit points. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Assessment:** Assignment; Essay; Exam; Participation.

This unit introduces students to the international business environment, particularly those forces that shape international business relations and markets: international political relations, international trade, international financial markets, and the global economic and political architecture. The unit surveys issues associated with global marketplaces, trade and investment, culture, internationalisation, the international monetary system, foreign exchange, trade agreements, markets in Asia, international investment risk, risk analysis for international business, and risk mitigation. The unit is especially concerned with international business as it relates to international business and politics in Asia.

GOVT 2001 Government Exchange

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

GOVT 2002 Government Exchange

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

GOVT 2003 Government Exchange

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

GOVT 2004 Government Exchange

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

GOVT 2091 Government 2 Honours

8 credit points. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator. **Assessment:** Library research assignment; Research design assignment; Exam; Participation.

This unit assists students enrolled in the honours program to develop the conceptual and practical skills they need to excel in any area of substantial political inquiry. An overview of political inquiry is presented through an examination of the diversity in theoretical and methodological approaches used by those who carry out political research. This includes looking at, for example, institutional, behavioural, discourse and feminist approaches in political inquiry, and the usage of quantitative and qualitative methods. The assessment is based around constructing research projects that can be utilised to answer current political questions.

GOVT 2101 Human Rights and Australian Politics

8 credit points. **Session:** Summer, Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Essay; Exam; Participation.

This unit introduces students to the notion of human rights, outlines international human rights enforcement mechanisms and the application of human rights standards in Australia. Throughout the course we consider the evolution of human rights in Australia and raise questions about the adequacy of Australia's existing human rights machinery. We examine the reasons behind recent UN criticism of Australian government policies toward the indigenous Australians, women and refugees and assess responses to this criticism. We also consider current legislative changes to combat terrorism and consider the implications of these changes on Australian's civil rights.

GOVT 2106 Australian Foreign and Defence Policy

8 credit points. **Session:** Semester 1. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Essay; tutorial presentation; exam.

This unit will examine the formation, implementation and outcomes of Australia's external relations from federation to the present. Attention is given to Australia's capacity to apply appropriate human,

economic, diplomatic, intelligence and military resources in pursuit of its interests. The program will include a number of guest lecturers who are specialists in their field.

GOVT 2201 Politics of International Economic Rels

8 credit points. **Session:** Semester 2. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Exam; Essay; Tutorial paper; Tutorial participation.

This unit provides 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, students are 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. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Exam, Participation and Essay.

This unit introduces the theoretical foundations, essential concepts and central issues in the field of international security. It provides students with analytical tools to understand and participate in current debates concerning security and threats. The first part of the unit provides an introduction to the theoretical interpretations of international security. The second part, discusses security phenomena, problems and strategies, including the coercive use of force, deterrence, guerrilla and counterinsurgency, nuclear stability, proliferation of weapons of mass destruction, crisis management, arms races and disarmament, security cooperation and security regimes. The discussion in this part includes a critical review of the dilemmas, strategies, and solutions in each of the issue areas.

GOVT 2208 Environmental Politics

8 credit points. Dr Ros Taplin. **Session:** Semester 1. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** One essay (20%), one case study report (40%), tutorial presentation (20%), critical reflection report (20%).

This unit analyses the political nature of global and local environmental problems and the connection between these and international and domestic environmental politics and policy arrangements. It focuses on the effects of epistemic communities, ecological modernisation, international regimes, sovereignty, sustainable development, the role of non government organisations, environmental policymaking frameworks, participatory environmental governance and stakeholder intervention capacity. Global and Australian environmental case studies will be discussed and related to theoretical perspectives.

GOVT 2404 Europe in World Affairs

8 credit points. **Session:** Semester 2. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Assignment; Essay; Exam; Participation.

This unit examines the problems of transition in European politics in three key areas: the shift towards advanced capitalist democracy in the southern Mediterranean; the steps towards transnational unity (through the EC) by northern European nations; and the slow process of economic and political reform in eastern Europe. Different theoretical approaches are used to examine these phenomena and these include perspectives that stress the role of the world economy, political institutions and social movements.

GOVT 2406 Reform, Revolution and Post Communism

8 credit points. **Session:** Semester 1. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Essay; Exam; Participation.

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 analyses why such regimes fell, and in particular why the attempts at reform of them failed. It then looks at the attempt to build a new post-communist future characterised by political democracy and a market economy. Specific attention is given to issues like the attempt to develop a post-communist identity, efforts to construct a new political system, economic reform and its consequences, organised crime and corruption, nationalism and legitimacy. The focus is principally upon Russia, but some attention is also given to other former communist states.

GOVT 2412 Comparative Politics of Ethnic Conflict

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study (for Management major only: any four 1000 level units). **Assessment:** Essay; Short Presentations and Tutorial Work.

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 unit considers 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. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Case study; Essay; Policy Monitoring Report.

This unit examines the nature of public policy and the processes which shape its content. Most of these processes apply across nation states, although they typically manifest themselves in nation-specific ways. First, the unit outlines the nature of public policy – dealing with such matters as definitions of policy and approaches to analysing public policy. These include the traditional 'policy cycle' approach, as well as alternative models based on rational choice, the roles of groups and networks, the nature of institutions and the power of socio-economic interests. Second, it examines the main building blocks of the policy process: actors, institutions, and policy instruments. Third, it examines key stages of the public policy process: notably problem definition, agenda setting, policy formation, decision making, implementation and evaluation. Examples are drawn from Australia and a range of countries throughout the world. Fourth, it examines policy-making in extreme, 'crisis' situations. Fifth, it turns its attention to Australian policy processes, focusing specifically on the areas of economic policy and indigenous affairs. Finally, it takes an overview of public policy processes in a global world, focusing on national policy-making autonomy in the context of globalisation, as well as challenges for the future. The unit is sufficiently flexible in terms of assessment, allowing students to concentrate on areas of interest.

GOVT 2504 Government Business Relations

8 credit points. **Session:** Semester 1. **Prerequisites:** Two GOVT1000 level units of study (for Management major only: any four 1000 level units). **Assessment:** Exam 35%; Essay 35%; Participation 30%.

The unit focuses on the patterns of relations between government and business in theory and practice in Australia. A key question is '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 are examined. In the second part of the unit, these models are 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 concludes by discussing corporatism and industry policy in Australia in a changing global economy.

GOVT 2507 Public Sector Management

8 credit points. **Session:** Semester 1. **Prerequisites:** Two GOVT1000 level units of study (for Management major only: any four 1000 level units). **Assessment:** Tutorials; Paper; Essay; Exam.

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 2601 Classical Political Theory

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one tutorial per week. **Prerequisites:** Two GOVT1000 level units of study.

Does asking questions threaten the state? What is justice? Are women equal to men? Is war justified? Do slaves have rights? Who should rule? These are some of the questions at the heart of Greek political theory. In this unit of study students examine these and related questions through reading texts from Thucydides, a successful politician in the Athenian demos and an unsuccessful general who lived in exile and wrote the History of Peloponnesian War; Socrates, an unemployed vagrant who never took a bath, never wrote a word, and yet influenced kings, princes, and generals in his own day and since; Plato, born to the Athenian aristocracy, who rejected his birth right, who tried to educate kings to be philosophers in person as a consultant and in a school of public policy, and who wrote an eternal book called The Republic in which he advocated the equality of men and women; and Aristotle, a migrant to Athens without civil rights who studied constitutions and created conceptual vocabulary and framework that still define political analysis, much of it in his book The Politics. These books will be located in the context of the Greek world.

GOVT 2605 Ethics and Politics

8 credit points. **Session:** Semester 1. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Essay; Exam; Project; Participation.

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. It then examines 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 2703 Consultation: Community, Business, Govt

8 credit points. **Session:** S1 Late Int. **Classes:** Four hour seminar/workshop per week. **Prerequisites:** Two GOVT1000 level units of study. **Assessment:** Paper; Consultation process; Report.

NB: This unit will be taught in intensive mode over six Fridays. Students need to contact their Faculty to enrol in this unit.

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 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. **Session:** Semester 2. **Prerequisites:** Consultation with Discipline's Internship Co-ordinator.

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, i.e. 16 credit points.

GOVT 3991 Government 3 Honours Part A

4 credit points. **Session:** Semester 1. **Prerequisites:** Two senior Government units and GOVT2091, 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 explore this concept in different parts of political science and survey some debates on power, assessing the advantages and disadvantages of concepts of power. There are three themes in this unit. The first is the distribution of power in society. The second is power in comparative politics and the third is power in international relations. The emphasis is on the nature, sources and use of power.

GOVT 3992 Government 3 Honours Part B

4 credit points. **Session:** Semester 2. **Prerequisites:** Two senior Government units, including GOVT 2091, each at the level of Credit or better, or with the consent of the Chair of Discipline.

This unit assists students to build towards a better fourth year honours dissertation. It considers the construction of a dissertation topic, planning the research, bibliographic searches, and writing the dissertation. The unit devotes a considerable amount of time to exercises designed to help students envisage their honours dissertation and plan fruitful lines of inquiry.

GOVT 4101 Government Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

NB: Department permission required for enrolment.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4102 Government Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4103 Government Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

GOVT 4104 Government Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 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. **Corequisites:** Must enrol in GOVT 4101, 4102, 4103, and 4104.

Students work under individual supervision to prepare a bibliographic essay and a dissertation. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT 4101, GOVT 4102, GOVT 4103 and GOVT 4104 to complete the Honours degree.

International Business

IBUS 2001 International Business Strategy

8 credit points. **Session:** Semester 1. **Classes:** Two lectures and one 1hr workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business. **Assessment:** Group projects/class test; final exam.

The aim of this unit of study is to understand how international firms win and lose in global competition. Major topics include building corporate capabilities and competencies for competitive advantage; optimal strategies for international business competition; dealing with different market structures and government policies; choosing between equity and non-equity alliances, licensing and joint ventures; understanding the differences in economic, political and legal environments; challenges of operating in emerging economies; managing across borders, including selecting effective types of MNEs and subsidiaries; managerial decision-making and internal MNE organisational design; and management of global networks.

IBUS 2002 Cross-Cultural Management

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one 1hr workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business. **Assessment:** Group projects/class test; final exam.

Critical to effective management in international and multi-cultural business environments is an understanding of cultural differences and how to manage such differences. The aim of this unit of study is to provide conceptual frameworks and evidence from practice that will develop an understanding of the ways in which cultures differ, how these differences can impact on management, and how cultural issues can limit organisational effectiveness. Strategies for managing and creatively harnessing cultural differences are also evaluated. Major topics include the significance of culture in international management; the meaning and dimensions of culture; comparative international management styles; managing communication across cultures; ethics and social responsibility in global management; cross-cultural negotiation and decision-making; managing global teams; culture and international leadership; and developing the international and global manager.

Marketing

MKTG 1001 Marketing Principles

6 credit points. Paul Henry (S1), Charles Areni (S2). **Session:** Summer, Semester 1, Semester 2. **Classes:** One lecture and one tutorial per week. **Assessment:** Marketing plan; Group presentation; Tutorial assignment; Two exams.

This unit examines the relationships among marketing organisations and final consumers in terms of production-distribution channels or value chains. It focuses on consumer responses to various marketing decisions (product mixes, price levels, distribution channels, promotions, etc.) made by private and public organisations to create, develop, defend, and sometimes eliminate, product markets. Emphasis is placed on identifying new ways of satisfying the needs and wants, and creating value for consumers. While this unit is heavily based on theory, practical application of the concepts to "real world" situations is also essential. Specific topics of study include: market segmentation strategies; market planning; product decisions; new product development; branding strategies; channels of distribution; promotion and advertising; pricing strategies; and customer database management.

MKTG 1002 Marketing Research 1

6 credit points. Iain Black. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or MKTG2001. In addition either ECMT1010 or (one of ECMT1011, ECMT1012, ECMT1013 and one of ECMT1021, ECMT1022, ECMT1023). **Assessment:** Group project; Tutorial participation portfolio; Individual critique; Exams (mid-semester and final).

Fundamental to marketing is a requirement to understand who your customers are and what they want. Marketing research is the essential activity of discovering information and presenting it in a useful format to marketing decision makers. This unit introduces the skills and knowledge necessary to allow students to accurately formulate research questions and then discover answers ensuring that these are accurate, reliable and timely. Particular focus is given to different approaches to and aspects of data collection, including: qualitative research; secondary data collection; questionnaire design; sampling; experimental design; validity and basic data analysis.

MKTG 1101 Marketing Exchange

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

MKTG 1102 Marketing Exchange

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

MKTG 2002 Consumer Behaviour

8 credit points. Paul Henry. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Consumer behaviour audit; Group presentation; Case analyses; Two exams.

This unit examines the psychological, social, and cultural aspects of consumer behaviour on the marketing decisions of public and private organisations. Concepts and principles are drawn from disciplines such as cognitive psychology, social psychology, sociology, anthropology, and demography to discover and understand various aspects of consumer behaviour. Specific topics of study include: cultural, demographic and psychographic influences; reference group influences; household decision processes and consumption behaviour; consumer perception and learning; motivation, personality and emotion; consumer attitudes; and purchase decision processes.

MKTG 2101 Marketing Exchange

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

MKTG 2102 Marketing Exchange

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

MKTG 3001 Marketing Research II

8 credit points. Jeffrey Lim. **Session:** Summer, Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or MKTG2001. In addition either ECMT1010 or (one of ECMT1011, ECMT1012, ECMT1013 and one of ECMT1021, ECMT1022, ECMT1023). **Assessment:** Participation; Individual assignment; Group presentation; Group project; Exam.

It is paramount for marketers today to be able to drive the research process and utilise the information efficiently. This unit aims to equip students with the necessary research and analytical skills to help organisations implement sound marketing decisions, tactics, and strategies. Students undertaking this unit are provided with the opportunity to get hands-on experience with a variety of quantitative tools. The impact or influence of new technologies (e.g. the Internet) on the market research industry is also a focus. Research practitioners need to embrace these developments to keep up with the ever-changing structure of today's society.

MKTG 3002 Marketing Communications

8 credit points. Marylouise Caldwell. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Assignment; Quiz; Project; Participation; Exam.

This unit offers an introduction to and overview of current theory and practice of marketing communications. It includes aspects of advertising in the main media (television, radio, print, outdoor, cinema), sales promotion, personal selling and new media, such as the Internet. The unit provides students with a sound theoretical/conceptual foundation as well as the strategic/practical perspectives of integrated marketing communications planning and implementation.

MKTG 3004 New Products Marketing

8 credit points. Rohan Miller. **Session:** Semester 2. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Group Presentation; Group project; Two exams.

New products and services are crucial to successful growth and increased profits in many industries. The goal is to help students learn how to develop and market new products and services in both the private and public sectors. A product development assignment is carried out to reinforce the material covered and to provide realistic examples of how new products are designed, tested and launched.

MKTG 3006 International Marketing

8 credit points. Ulku Yuksel. **Session:** Winter, Semester 1. **Classes:** One lecture and one tutorial per week. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Participation; Case presentation; International business theatre; Examination.

This unit introduces students to international marketing using the marketing concept. It firstly considers environmental factors and then studies how marketing strategies are affected by those environmental factors. It gives students an awareness and understanding of international marketing concepts and highlights their importance in a rapidly changing global economy. Additionally the unit develops students' skills in designing and implementing marketing strategies in diverse international contexts.

MKTG 3007 Services Marketing

8 credit points. Kaleel Rahman. **Session:** Semester 1. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Group project; Group presentation; Participation; Exam.

This unit provides an understanding of the concepts and processes specifically applicable to services marketing. Services are by nature different from products, and therefore lead to a set of different marketing challenges faced by service-based organisations such as those in tourism, hospitality, health care, aviation, banking, financial, accounting, medical and legal services industries. The unit focuses on those aspects of services that require differential understanding and execution than in a product-marketing environment. Customer care, relationship marketing, and how to use service as a competitive advantage are the other primary areas of interest covered by the unit.

MKTG 3010 Electronic Marketing

8 credit points. Jeaney Yip. **Session:** Semester 2. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Paper; Group project; Group presentation; Exam.

This unit explores how new technologies can be embraced effectively for marketing purposes. The unit builds upon the principles and concepts of traditional marketing studied in MKTG1001 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:** Semester 1, Semester 2. **Prerequisites:** MKTG1001 or MKTG2001.

NB: Department permission required for enrolment.

MKTG 3102 Marketing Exchange

8 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** MKTG1001 or MKTG2001.

NB: Department permission required for enrolment.

MKTG 3201 Contemporary Issues in Marketing

8 credit points. Professor Chris Styles. **Session:** Semester 2. **Prerequisites:** MKTG1001 or MKTG2001. **Assessment:** Assessment will reflect the action learning approach: Strategic innovation project: 30% Computer Simulation: 20% Final exam: 50%.

This course will focus on a critical area of contemporary marketing - developing and managing innovative competitive strategies. It crosses the traditional boundaries of marketing (as the modern marketer often does), and is therefore influenced by concepts and tools from a range of disciplines, including strategic management, entrepreneurship and finance. The central focus is on how marketing strategy and its management can create superior and sustainable value for both customers and shareholders. Topics will include value-based marketing, strategic innovation, the management of marketing programs, and marketing metrics. The emphasis will be on action learning, achieved through team projects and a computer simulation.

MKTG 4101 Marketing Honours A

12 credit points. Iain Black, John Rose. **Session:** Semester 1, Semester 2. **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Assessment:** Coursework and research.

NB: Department permission required for enrolment.

The honours program in Marketing provides specialist training for postgraduate research in marketing, and provides graduates with the analytical skills for solving problems in marketing practice. The program consists of one coursework unit and a two-semester dissertation, written under the supervision of one or more academic staff members. Marketing Honours A and B involve an expert led series of research seminars which prepares students with the requisite skills to complete their dissertation. In addition, these seminars provide students with research skills that can be applied in either an academic or commercial context.

MKTG 4102 Marketing Honours B

12 credit points. Iain Black, John Rose. **Session:** Semester 1, Semester 2. **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4101.

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. Iain Black, John Rose. **Session:** Semester 1, Semester 2. **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4102.

Marketing Honours C and D provide students with the opportunity to plan, conduct and report on their chosen dissertation topics. Students work closely under their supervisor(s) to complete this exciting challenging research project. The honours dissertation is expected to be a high quality piece of research, of sufficient standard to be published independently in either marketing journals or conference proceedings.

MKTG 4104 Marketing Honours D

12 credit points. Iain Black, John Rose. **Session:** Semester 1, Semester 2. **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4103.

Marketing Honours C and D provide students with the opportunity to plan, conduct and report on their chosen dissertation topics. Students work closely under their supervisor(s) to complete this exciting challenging research project. The honours dissertation is expected to be a high quality piece of research, of sufficient standard to be published independently in either marketing journals or conference proceedings.

Political Economy**ECOP 1001 Economics as a Social Science**

6 credit points. **Session:** Semester 1. **Assessment:** Tutorial mini-essay; Tutorial participation; Essay; Final exam.

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

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economic policy and the future of capitalism. This provides a solid foundation for subsequent study of economics and political economy.

ECOP 1002 **Economy and Policy**

6 credit points. **Session:** Semester 2. **Assessment:** Tutorial assignments; Tutorial participation; Essay; Final exam.

How are national economies changing in response to changes in the global economy? Who is benefiting and who is being disadvantaged? What role does government policy play, and what policy options are there? This unit of study addresses these questions in the context of the Australian economy. It introduces students to Keynesian and institutionalist approaches to economics to explore how government policy addresses issues such as industrial change, international trade and investment, employment, social welfare and income distribution. It gives students a 'hands on' approach to understanding the connections between current economic events and economic theory.

ECOP 1003 **International Economy and Finance**

6 credit points. **Session:** Semester 2. **Assessment:** Exams; in-class tests; discussion papers.

The world economy has changed dramatically since World War 2, especially with the renewed 'globalisation' from the 1980s. This unit traces the historical patterns of globalisation. It analyses the debates about whether globalisation has been for the better or worse overall, and who would have been the winners and the losers in this process. The unit explores the changing theories that have been used to explain and evaluate global economic integration.

The unit concurrently explores the forms, and debates about, the regulation of economic activity on a global scale, addressing the development and changing roles of international agencies (World Bank, International Monetary Fund, World Trade Organisation), and evaluates their capacity to generate global equity and economic stability.

ECOP 2001 **Economic Foundation of Modern Capitalism**

8 credit points. **Session:** Semester 1. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Seminar group participation and presentation; Essay; Final exam.

This unit of study considers the economic foundations of modern capitalism. It explores the central concerns in political economy by looking at classical, Marxian, neo-Marxist and post-Keynesian theories and their applications. It thereby illuminates the connections between the production of goods and services, the distribution of income and economic growth.

ECOP 2002 **Social Foundations of Modern Capitalism**

8 credit points. **Session:** Semester 2. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Essay; Tutorial presentation/participation; Final exam.

Economic activity is 'embedded' within a broader social structure. So it is necessary to understand the institutional and social fabric by which the economy is constructed. This unit looks at the institutions of capital, labour, the family and the state that channel economic activity and the importance of class and other social struggles in the historical transformations of those institutions. It examines how governments respond to the imperatives for economic and social order and how the state acts to regulate institutions, and socio-economic relations, to establish stability and maintain capital accumulation. Several illustrative case studies and policy areas are studied.

ECOP 2101 **Political Economy Exchange**

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

ECOP 2102 **Political Economy Exchange**

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

ECOP 2901 **Political Economy Honours II (Part A)**

4 credit points. **Session:** Semester 1. **Prerequisites:** Credit average in ECOP1001 and ECOP1002. **Corequisites:** ECOP2001 or ECOP2002. **Assessment:** Seminar presentation; Seminar participation; Seminar questions; Short essay; Long essay.
NB: Department permission required for enrolment.

This unit of study introduces students to some of the big debates in the social sciences, through an exploration of the meaning and limits of class concepts in social theory. Structure and agency, fact and interpretation, the politics of theory, and the nature of the Good Society are all considered. The unit is both an enrichment program adding breadth to the range of issues you study in Pass units of study, and an advanced program adding depth to your analytical and writing skills in Political Economy, in preparation for a third year studies and for a final honours year.

ECOP 2902 **Political Economy Honours II (Part B)**

4 credit points. **Session:** Semester 2. **Prerequisites:** Credit average in ECOP1001 and ECOP1002. **Corequisites:** ECOP2001 or ECOP2002. **Assessment:** Seminar presentation and participation; Essay.

NB: Department permission required for enrolment. Students who commence mid-year may enrol in this unit if they obtain a credit or better in ECOP2001

This unit of study extends the focus of the Political Economy Honours program to more practical policy-related questions. Students critically evaluate government economic policies and strategies for economic reform. Like ECOP2901 Political Economy Honours II (Part A), 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 and a final honours year.

ECOP 3002 **Global Political Economy**

8 credit points. **Session:** Semester 2. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Presentation; Report; Essay; Final exam.

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 **International Development and Trade**

8 credit points. **Session:** Summer. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Class participation; Essay; Workshop presentation and 1500 word paper; Final exam.

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. **Session:** Semester 1. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Essay; Workshop presentation/3000 word project; Final exam.

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 3007 **Political Economy of Human Rights**

8 credit points. **Session:** Semester 2. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Class participation; Essay; Workshop presentation and 1500 word paper; Final exam.

Debates about human rights and democratic legitimacy are linked to structural economic arguments, and to cultural and structural debates over the process of socioeconomic change. This unit of study introduces the competing arguments over rights, the distinction between formal and effective rights and the social struggles that have created them. The approach of economic liberalism, emphasising property rights and the role of competition as an arbiter of equal opportunities in society, is discussed. Similarly, a rights analysis of market regulation and social and corporate welfare is pursued, with international and domestic case studies. The unit also includes discussions on indigenous rights and labour rights, the globalisation of capital and citizenship, and structural and cultural arguments over the nature of socioeconomic change.

ECOP 3009 **Finance: Volatility and Regulation**

8 credit points. **Session:** Semester 1. **Prerequisites:** ECOP1001 and ECOP1002. **Assessment:** Essay; Group project; Final exam.

Foreign exchange, international bond and derivative markets have expanded dramatically over the past 20 years. This unit of study examines reasons for the growth of these markets and their vulnerability to some form of volatility and crisis. Case studies of individual corporate financial crises and national financial crises are considered. The unit also addresses the regulation of financial markets, both on a national and international scale. It looks at the history of regulation, key regulatory and monitoring agencies, and arguments for a new international financial architecture.

ECOP 3101 Political Economy Exchange

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

ECOP 3102 Political Economy Exchange

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

ECOP 3901 Political Economy Honours III (Part A)

4 credit points. **Session:** Semester 1. **Prerequisites:** Credit average in 4 intermediate or senior ECOP units including ECOP2901 and ECOP2902. **Assessment:** Participation in seminar program; Essay; Seminar presentation; Project requirement in ECOP 3902.
NB: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.

This is one of two units of study which prepare students for commencing the final honours year. It looks at the different ways in which research in political economy may be done. It compares the methodologies of the principal schools of economic thought, concentrating on aspects which distinguish neoclassical and non-neoclassical approaches to the study of economic issues. This is an important step towards the design of useful research in political economy.

ECOP 3902 Political Economy Honours III (Part B)

4 credit points. **Session:** Semester 2. **Prerequisites:** Credit average in 4 intermediate or senior ECOP units including ECOP2901 and ECOP2902. **Assessment:** Requirement research project; Seminar presentation; participation in seminar program; Essay.
NB: Third year students who have not completed the prerequisites should consult the Discipline of Political Economy about alternative requirements.

This is the second unit of study to be taken by students preparing for their final honours year. It emphasises the skills needed for research and dissertation writing. Topics include research materials, bibliographical access, computer software usage, and alternative sources of information for research in political economy. The unit also provides opportunities for discussion of honours dissertation proposals.

ECOP 4001 Political Economy Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2901, ECOP2902, ECOP3901, ECOP3902, ECOP2001, ECOP 2002 plus two other senior level ECOP units. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.

NB: Department permission required for enrolment.

All students are required to undertake a 20,000 word dissertation and coursework during their final honours year. The dissertation is on a topic of each student's own choice, subject to staff approval: the dissertation proposal is normally developed during the preceding year of studies in Political Economy honours. The coursework requirement is two semester-length units. The units include selections from the following: Patterns of Capital Accumulation; State and Economy in East Asia; Theories of Social Formations; Industry Restructuring Policy; and Issues in Political Economy. Only some of these units are available in any year. Students may choose one semester-length unit from among those on offer in other programs in the BEc(SocSc) and Bachelor of Economic and Social Sciences degrees, subject to the agreement of the relevant discipline and the Director of the Political Economy honours program.

ECOP 4002 Political Economy Honours B

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other senior ECOP units. **Corequisites:** ECOP4001.

ECOP 4003 Political Economy Honours C

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other senior ECOP units. **Corequisites:** ECOP4002.

ECOP 4004 Political Economy Honours D

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** ECOP2001 & 2002, ECOP 2901 & 2902, ECOP 3901 & 3902, two other senior ECOP units. **Corequisites:** ECOP4003.

Work and Organisational Studies**WORK 1001 Foundations of Industrial Relations**

6 credit points. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **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. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Assessment:** Essay; Participation; Exam.

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:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** 24 credit points of junior units of study. **Assessment:** Essay; Participation; Presentation; Exam.

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 2002 Labour Market Analysis

8 credit points. **Session:** Semester 2. **Classes:** Two hours of lectures and one seminar per week. **Prerequisites:** WORK1001 (or IREL1001) and WORK1002 (or IREL1002). **Assessment:** Essay; Paper; Participation; Exam.

This unit examines the manner in which economists have analysed the operation of the labour market including the generation of employment and unemployment, the determination of wages and the effect of trade unions. The course surveys the major approaches to the study of the labour market including classical, neo-classical, Marxist and Institutionalist approaches. Through an examination of these approaches and how they have endeavoured to explain labour market phenomena the idiosyncrasies of labour as a resource are identified. Recent labour market experience in Australia is used to illustrate the close connection between analytical models of the labour market and public policy.

WORK 2005 Human Resource Processes

8 credit points. **Session:** Semester 1. **Classes:** Two Lectures and one seminar per week. **Prerequisites:** WORK1001 (or IREL1001) and WORK1002 (or IREL1002). **Assessment:** Paper; Essay; Exam.

Building on the foundation Human Resource Management (HRM) issues and concepts provided in WORK1002, this unit provides an advanced coverage of a select range of human resource management processes and practices. The processes and practices that may be selected for detailed consideration include: human resource recruitment and selection; training and development; career planning and development; performance management and motivation; reward and remuneration management; managing workforce diversity; managing commitment, culture and change; international human resource management; and HRM system evaluation. Students are advised to consult the Work and Organisational Studies Discipline beforehand regarding the specific mix of practices to be covered in any given session.

WORK 2006 Labour History

8 credit points. **Session:** Semester 2. **Classes:** Lectures and seminar. **Prerequisites:** 48 junior credit points or ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)). **Assessment:** Exam; Essay; Participation.

This unit interprets the developments of work and labour within their social, political and economic context. It looks at issues like like convict labour, the rise of collective movements such as trade unions

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and political parties and centrally focuses on themes such as ethnic and gender diversity as well as other aspects of culture, community and social formation.

WORK 2007 Labour Law

8 credit points. **Session:** Semester 1. **Classes:** lectures and seminar. **Prerequisites:** (WORK1001 or IREL1001) and (WORK1002 or IREL1002). **Assessment:** Exam; Essay; Participation.

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 2009 Organisational Analysis and Behaviour

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** IREL1002 or WORK1002. **Assessment:** Participation; Essay; Exam.

The aim of this unit is to provide an understanding of the actual processes and structures that influence the way people behave in organisations. It examines different approaches beginning with the individual (micro) level through to the organisational (macro) level. It takes students through a range of topics including attitudes, perceptions, organisational citizenship, 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 unit students have developed the ability to reason, debate and critically examine a range of topical organisational issues.

WORK 2010 Strategic Management

8 credit points. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** IREL1002 or WORK1002. **Assessment:** Multi-choice test; Tutorial participation; Case Study; Final exam.

The aim of this unit is to critically examine the concept of strategy in the management of organisations. It examines different approaches to strategy and strategic management and traces the development of strategic management as an academic discipline. It takes students through the classical strategic management process as it is presented in most textbooks and it also introduces students to a range of current debates in strategic management. This unit can be taken as a stand alone introduction to strategy or as part of a broader program of study in management.

WORK 2011 Human Resource Strategies

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** (WORK1001 or IREL1001) and (WORK1002 or IREL1002). **Assessment:** Essay OR in-class presentation and seminar paper; Final exam.

This unit examines the links between human resource management and strategic management in different kinds of organisations, both in Australia and overseas. It provides a critical and in-depth analysis of the human resource management theories, paying particular attention to the concepts of strategy, people management and organisational performance. The unit considers contemporary and controversial issues in human resource management, which may include downsizing, outsourcing, knowledge management, governance and social responsibility.

WORK 2012 Discrimination & Equality in Employment

8 credit points. **Session:** Semester 1. **Classes:** Two lectures and one seminar per week. **Prerequisites:** (WORK1001 or IREL1001) and (WORK1002 or IREL1002). **Assessment:** Essay or research report, tutorial participation, exam.

This unit provides an understanding of the way in which discrimination is dealt with at the workplace, drawing on not only the extensive legal materials that have grown up in this area in the past twenty years but also on managerial techniques that have been developed not only to avoid legal liability but also to enhance the performance of an enterprise by accessing the best staff on the basis of merit. This is achieved by conceptualising the whole area in terms of a human rights framework in an attempt to understand the still developing legal superstructure. Cases highlighting not only legal requirements but the practical and ethical issues that constantly arise in the implementation of an equal opportunity workplace are the focus of study. There will also be some emphasis on practical skill development in the areas of investigation, mediation and advocacy.

WORK 2015 IR and HRM Practice

8 credit points. **Session:** Semester 2. **Classes:** Intensive mode during mid year break and in semester 2. **Prerequisites:** ((WORK1001 or IREL1001) and (WORK1002 or IREL1002)) plus 16 senior credit points in WOS units of study.

NB: Department permission required for enrolment.

This unit is intended to go some way towards bridging the gap between theory and professional life. The unit examines the theoretical basis of labour negotiation. It goes on to examine the process

of bargaining drawing upon both literature and experience of industrial relations and human resource management practitioners. The process of advocacy and role of advocacy in Australian industrial relations is also examined. Much of the unit is devoted to role-play negotiation exercises where students apply the techniques that have been taught. Students also undertake a period of work experience.

WORK 2017 International Human Resource Management

8 credit points. **Session:** Semester 2. **Classes:** Two lectures and one seminar per week. **Prerequisites:** (WORK1001 or IREL1001) and (WORK1002 or IREL1002). **Assessment:** Case Study or Essay; Tutorial presentation; Final exam.

This unit considers the opportunities and challenges associated with managing employees in international and cross-cultural contexts, with specific emphasis on international recruitment, selection, preparation, placement, management development, performance management, reward and remuneration in the international, multi-national and trans-national corporation. Within the context of global labour markets, the unit considers the implications of internationalisation and globalisation for human resource management (HRM), the difference between domestic and international HRM, and the challenges of cross-cultural management. This unit will provide students with a theoretical understanding of IHRM and cross-cultural management, as well as a practical understanding of the issues and challenges associated with managing employees in international, global and cross-cultural contexts.

WORK 2005 Human Resource Processes

8 credit points. **Session:** Semester 1. **Classes:** Two Lectures and one seminar per week. **Prerequisites:** WORK1001 (or IREL1001) and WORK1002 (or IREL1002). **Assessment:** Paper; Essay; Exam.

Building on the foundation Human Resource Management (HRM) issues and concepts provided in WORK1002, this unit provides an advanced coverage of a select range of human resource management processes and practices. The processes and practices that may be selected for detailed consideration include: human resource recruitment and selection; training and development; career planning and development; performance management and motivation; reward and remuneration management; managing workforce diversity; managing commitment, culture and change; international human resource management; and HRM system evaluation. Students are advised to consult the Work and Organisational Studies Discipline beforehand regarding the specific mix of practices to be covered in any given session.

WORK 2101 Industrial Relations & HRM Exchange

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

WORK 2102 Industrial Relations & HRM Exchange

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

WORK 2103 Industrial Relations & HRM Exchange

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

WORK 2104 Industrial Relations & HRM Exchange

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

WORK 3902 Researching Work and Organisations

8 credit points. **Session:** Semester 2. **Classes:** Two hours per week. **Prerequisites:** WORK3901 or IREL2901 and IREL2902 and enrolled in IR/HRM or Management major with minimum grade credit in all WORK units. Students must have completed 48 senior credit points of study. **Corequisites:** Enrolment in either an IR&HRM major or Management major. **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 gain an understanding of the theoretical basis and design requirements of the main qualitative and quantitative approaches to research, as well as the techniques of questionnaire design, interviewing, observation and documentary analysis. There is an emphasis on the development of methodological expertise relevant to students anticipated dissertation topic and the preparation of a viable research proposal.

WORK 3101 Industrial Relations & HRM Exchange

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

WORK 3102 Industrial Relations & HRM Exchange

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

WORK 4101 Industrial Relations & HRM Honours A

12 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** 32 credit points of senior level WORK units of study plus WORK3901 and WORK3902. All WORK units

of study must be passed at a credit level or above. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study and admission is at the discretion of the Discipline of Work and Organisational Studies. **Assessment:** Coursework; Dissertation.

NB: Department permission required for enrolment.

The primary focus is on an original dissertation of approximately 20,000 words to be submitted at the end of Part B. In addition, students must undertake coursework as specified. Candidates must enrol in WORK4102, WORK4103 and WORK4104 to complete the honours year.

WORK 4102 Industrial Relations & HRM Honours B
12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** WORK4101.

WORK 4103 Industrial Relations & HRM Honours C
12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** WORK4102.

WORK 4104 Industrial Relations & HRM Honours D
12 credit points. **Session:** Semester 1, Semester 2. **Corequisites:** WORK4103.

Faculty

ECOF 1001 Communication and Critical Analysis 1A
6 credit points. **Session:** Semester 2. **Classes:** Two hour seminar per week. **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation.

NB: This unit is meant for native speakers of English.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

ECOF 1002 Communication and Critical Analysis 1B
6 credit points. **Session:** Semester 2. **Classes:** two hour seminar and a one hour tutorial per week. **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation.

NB: This unit is meant for students from a non-English speaking background.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

ECOF 1101 General Exchange
6 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ECOF 2001 Contemp Economics and Politics of S Asia
8 credit points. **Session:** Semester 2. **Classes:** Two lectures per week. **Prerequisites:** Any 4 first year full semester courses.

Following a multi-disciplinary approach to the study of contemporary South Asia, the course focuses on socio-economic and politico-cultural developments in Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan and Sri Lanka.

The course starts with the focus on common systemic and structural features of the South Asian countries. Role of politics, cultures, religions, etc. in the region during both the colonial and contemporary period will be highlighted. Relevance or irrelevance of economic policy/planning mechanism will also be examined specifically with reference to the internally segmented and differentiated socio-economic systems prevalent in most of the South Asian countries. Finally, international political and economic relations between these countries and the rest of the world will be looked into with a special emphasis on Australia's relationship with South Asia.

ECOF 2101 Economics/Commerce Exchange
8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ECOF 2102 Economics/Commerce Exchange
8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

ECOF 3101 Economics/Commerce Exchange
8 credit points. **Session:** Semester 1, Semester 2.

NB: Department permission required for enrolment.

ECOF 3102 Economics/Commerce Exchange
8 credit points. **Session:** Semester 1, Semester 2.
NB: Department permission required for enrolment.

7. Science units of study

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

The units of study descriptions in this section generally are organised alphabetically by department or school, except for those listed below.

COMP, INFO ISYS, NETS, MULT and SOFT can be found under the Information Technologies entry.

NTMP can be found under the Marine Science entry.

STAT can be found under the Mathematics and Statistics entry.

Units of study descriptions

Aerospace, Mechanical and Mechatronic Engineering

The School of Aerospace, Mechanical and Mechatronic Engineering is part of the Faculty of Engineering. In addition to providing professional training in aerospace, mechanical and mechatronic engineering, units of study in the School are available to students in the Faculty of Science who meet any prerequisite requirements for a particular unit.

Registration

Timetable information on alternative lecture/tutorial/laboratory/practical classes is available in the General Office of the School.

Tutorials and laboratories

All students are required to undertake the tutorial and laboratory work associated with the chosen units of study, details of which are provided in the timetables. The experimental and tutorial work, an integral part of the unit of study, complements the lecture material.

Double degree

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Aerospace, Mechanical, Mechatronic or Biomedical Engineering. Students wishing to undertake this option must apply through UAC and compete on the basis of academic merit. Information about application procedures is available from the Engineering Faculty Office in the Engineering Faculty Building.

Agricultural Chemistry and Soil Science

Agricultural Chemistry

Study in the discipline of Agricultural Chemistry is offered by the Faculty of Agriculture, Food and Natural Resources.

Units of study in Agricultural Chemistry for Science students cover aspects of chemistry and biochemistry which are relevant in basic and applied biological sciences including agriculture, the environment and food science. Emphasis is placed on the chemistry of molecules of biological, agricultural and environmental significance both naturally occurring (eg. in foods and natural fibres), and chemically synthesised (eg. insecticides and herbicides). The biochemistry is planned around the relationship between living organisms and their environment and includes sections on the metabolism of inorganic and synthetic materials by animals, plants and micro-organisms.

The units of study available are: AGCH2003, Introductory Rural Environmental Chemistry (6 credit points Intermediate); AGCH3025 and AGCH3026, Chemistry and Biochemistry of Foods A and B respectively (6 credit points Senior each); AGCH3030 and AGCH3031, Rural Environmental Chemistry A and B respectively (6 credit points Senior each); AGCH3024, Chemistry and Biochemistry of Foods (6 credit points Senior); and Agricultural Chemistry Honours.

AGCH 2003 Rural Environmental Chemistry (Intro)

6 credit points. Dr Caldwell. **Session:** Semester 1. **Classes:** 3 lec/week and 33 hours of lab/semester. **Prerequisites:** 12 credit points of Junior Chemistry. **Assessment:** One 2 hr exam, prac & quizzes.

This introductory unit of study consists of aspects of chemistry relevant in studies of basic and applied biological sciences including agriculture, food and the rural environment. Lecture topics include

an introduction to quantitative aspects of biophysical, environmental and aquatic chemistry with particular reference to protocols for specimen sampling and maintenance of specimen quality; the principles of basic analytical methods such as spectroscopy, chromatography and electrochemistry; environmental aspects of water such as thermal properties and its behaviour as a solvent of hydrophobic solutes, surfactants, neutral hydrophilic solutes, salts and other electrolytes, and gases. The lectures will also include environmental nutrient cycling (C, N, S, O, P, micronutrients) with reference to pesticides, herbicides, organic and inorganic pollutants affecting agricultural produce and the environment, and gases of environmental concern.

Eleven laboratory sessions will demonstrate aspects of analytical chemistry including: elemental analysis of foods and natural waters, spectrophotometry, chromatographic techniques, preparation of buffers, fundamentals of pH and conductance measurement, water as a solvent including the effect of surfactants and electrolytes. Students will analyse natural water samples using the skills acquired in earlier laboratory and write an environmental assessment from their findings. The introductory laboratory session for the unit will include a tutorial on safety procedures in a chemistry laboratory.

AGCH 3024 Chemistry and Biochemistry of Foods

6 credit points. Dr Caldwell. **Session:** Semester 1. **Classes:** 3 lec/wk and 8 x 3 hr pracs. **Prerequisites:** 12 credit points of Intermediate units from Molecular Biology and Genetics, Biochemistry or Chemistry. **Assessment:** One 2 hr exam (50%), assignments (20%), laboratory (30%).

This unit of study aims to give students an understanding of the constituents of foods and fibres. The lecture topics cover: the chemistry, biochemistry and processing behaviour of major food constituents - oligosaccharides, polysaccharides, lipids and proteins; the relationship between molecular structure of constituents and their functionality in foods; natural fibres and gel-forming biopolymers - uses in foods, importance in dietary fibre and commercial products; enzymes in foods and food processing; wheat flour dough and protein chemistry during baking and cooking; flavour chemistry and the chemistry and biochemistry of anti-nutritional and toxic constituents of plants and foods.

The practical exercises in this unit of study will focus on the characterisation of food hydrocolloids in terms of particle size distribution, molecular weight distribution, and molecular structure. Students should emerge with a good understanding of the fundamental basis of hydrocolloid characterisation, some familiarity with a broad range of commonly used techniques, and good skills in assessment and processing of experimental data.

AGCH 3025 Chemistry and Biochemistry of Foods A

6 credit points. Dr Caldwell. **Session:** Semester 1. **Classes:** 3 lec/wk, 8 x 3 hr prac per semester. **Prerequisites:** 6 credit points of Intermediate units in Agricultural Chemistry, Chemistry or Biochemistry. **Assessment:** One 2 hr theory exam, one 1 hr theory of prac exam, assignment and prac reports.

This unit of study aims to give students an understanding of the constituents of foods and fibres. The lecture topics cover:

- the chemistry, biochemistry and processing behaviour of major food constituents - oligosaccharides, polysaccharides, lipids and proteins;
- the relationship between molecular structure of constituents and their functionality in foods;
- natural fibres and gel-forming biopolymers - uses in foods, importance in dietary fibre and commercial products;
- enzymes in foods and food processing;
- wheat flour dough and protein chemistry during baking and cooking;
- anti-nutritional and toxic constituents of plants and foods; and
- flavour chemistry

The laboratory exercises aim to give students an understanding of the methods used in the analysis of foods and other biological materials, and will include:

- analysis of carbohydrates including starch and dietary fibre;
- spectroscopic, enzymic, and chromatographic methods.

AGCH 3026 Chemistry and Biochemistry of Foods B

6 credit points. Dr Caldwell. **Session:** Semester 1. **Classes:** 2 hr lec/seminar/workshop/wk; 24 hrs of prac/semester; site visits. **Prerequisites:** 6 credit points of Interme-

diate Chemistry, Biochemistry or Agricultural Chemistry. **Corequisites:** AGCH 3025. **Assessment:** Five written assignments, one 1 hr theory of prac exam, prac reports and poster presentation.

This unit of study aims to give students an understanding of global food systems and global food security. In the lecture/seminar/workshop component, topics covered will include the sustainable production of major food crops; the role of genetically modified crops in food sustainability and quality; principles and methods in food quality control and assessment; chemical and biochemical aspects of food quality in relation to food processing and nutritional values. The laboratory exercises aim to give students an understanding of the methods used in the analysis of foods and other biological materials, and will include:

- analysis and examination of protein functionality in foods;
- spectroscopic, enzymic, and chromatographic methods.

AGCH 3030 Rural Environmental Chemistry A

6 credit points. Prof Kennedy (Coordinator). **Session:** Semester 1. **Classes:** 6 day field trip in orientation week, 21 hr lec & 25 hr prac. **Prerequisites:** 6 credit points of either Intermediate Agricultural Chemistry, Chemistry, Biochemistry, Plant Science or Environmental Science. **Assessment:** One 2 hr exam, field trip and laboratory reports.

This unit commences with a field trip to the Namoi and the Macquarie Valleys, where agriculture largely based on irrigation has been developed. Environmental impacts on vegetation, soil and water of agricultural enterprises such as cotton farming and human settlement will be assessed in a professional field trip report. Field observations on pH, nutrient and salt content, pesticide, and microbial content will be made on water, sediment, soils and in constructed wetlands, with samples returned for more detailed laboratory analysis at the University. Lectures will complement the field trip, including environmental chemistry of heavy metals, their effects on organisms; mechanisms of tolerance and phytoremediation; risk assessment of pesticides including herbicides, their mode of action and environmental fate; analysis and monitoring of pesticide residues by GC, GC-MS and immunoassay (ELISA); maximum residue limits (MRLS) and residue surveys; remediation of pesticides in ecosystems; design of new pesticides and means of pest control. Laboratory sessions will be related to these lecture topics, including 6-7 sessions on atomic absorption analysis for nutrients and heavy metals, mercury analysis, pesticide analysis by GLC, HPLC, MS and ELISA.

AGCH 3031 Rural Environmental Chemistry B

6 credit points. Prof Kennedy (Coordinator). **Session:** Semester 2. **Classes:** 5-day field trip in AVCC common break; 21 hr lec and 30 hr prac and project/semester. **Prerequisites:** 6 credit points of either Intermediate Agricultural Chemistry, Chemistry, Biochemistry, Plant Science or Environmental Science. **Assessment:** One 2 hr exam, field-trip report and laboratory reports.

This field-oriented course will (i) provide understanding of chemical and biochemical processes in rural ecosystems and their sustainability, with particular reference to global warming, (ii) include a field trip and professional report to illustrate relevant case studies at several centres in eastern Australia (Canberra, Snowy Mountains, Murray and Murrumbidgee catchments) specialising in research related to global warming, acidification and water quality including salinisation (iii) conduct laboratory sessions and group research project to study a problem in a professional setting. Practical solutions will be sought by students, based on a field theory of action in ecosystems. Lectures will cover the environmental carbon, nitrogen and sulphur cycles, including bioenergetics of autotrophic and heterotrophic action; photosynthesis; nitrification and denitrification; biological nitrogen fixation; sulphur metabolism; production of greenhouse gases; pH balancing and efficient nutrient uptake; acidification of ecosystems and effects on plants and animals; remediation and control of greenhouse emissions; bioremediation of acidification and salinisation. The laboratory sessions and the group project will illustrate these environmental processes, including greenhouse gas production, methane and NO_x, photosynthesis and nitrogen fixation, and monitoring of endocrine-disrupting compounds including pesticides using GLC, HPLC and ELISA.

Agricultural Chemistry Honours

The fourth year unit of study in Agricultural Chemistry aims to: provide students with problem-solving and communication skills required by professional chemists in enterprises concerned with agricultural production and processing, foods and beverages, and environmental science; enable students to learn to work independently in a laboratory environment; familiarise students with the research literature and methodology of biological chemistry; and provide a basis for students who wish to proceed to postgraduate research.

Candidates should consult the Department as soon as possible after results in Senior unit of study are obtained. The unit of study consists of a research project (with submission of a dissertation), two essays, an oral presentation and attendance at specialist lectures and seminars

in agricultural, biological and environmental chemistry. The essays and oral presentation are selected from a list of topics in basic and applied biological and environmental chemistry, and food science. Projects are usually available in one of the following areas of current research interest in the Department: carbohydrate and nitrogen metabolism in plants, biological nitrogen fixation in legumes and associated with wheat, insect metabolism, the biochemistry and environmental chemistry of pesticides and herbicides, acidification of ecosystems including the mechanism of aluminium phytotoxicity, residue analysis in foods and other aspects of food science, cereal chemistry and biochemistry.

Soil Science

The Soil Science units of study aim primarily at giving students an introduction to the three major branches of soil science, namely soil physics, soil chemistry, and pedology, and at providing the basis for a professional career in each of these divisions for students wishing to specialise.

The introductory unit of study is particularly relevant for students interested in the environmental and geological sciences and in land-use management.

SOIL 2003 Soil Science 2

6 credit points. Dr Cattle, Prof. McBratney, Dr Singh. **Session:** Semester 1. **Classes:** (3 lec & 3hr prac)/wk. **Assessment:** One 3hr theory exam, one 1hr prac exam, quizzes and prac book.

This unit of study is concerned with the fundamental properties of soil, the factors of soil formation, and the processes that operate in the soil system. The components of the unit of study are: pedology; soil physics and soil chemistry. These components are synthesised by reference to common soil profiles. The study of soil in the field starts with field description and assessment of essential characteristics. The physics of water and gas movement, temperature, density, swelling and strength are considered. Soil chemistry includes properties of organic matter, cation exchange capacity, nitrogen, phosphorus, potassium and acidity. Common soil types of N.S.W. are studied in relation to their formation, properties and classification.

Textbooks

Reference books N.C. Brady The Nature and Properties of Soils 10th edn (Macmillan, 1990) K.O. Campbell and J.W. Bowyer (eds) The Scientific Basis of Modern Agriculture (Sydney U.P., 1988) D.L. Rowell, Soil Science: Methods and Applications (Longman, 1994) R.E. White Introduction to the Principles and Practice of Soil Science 3rd edn (Blackwells Scientific, 1997) A. Wild (ed.) Russell's Soil Conditions and Plant Growth 11th edn (Wiley, 1988)

SOIL 2004 The Soil Resource

6 credit points. **Session:** Semester 2. **Prerequisites:** SOIL2001 or GEOL (1002 or 2004) or GEOG1001 or ENVI2001.

SOIL 3001 Environmental Soil Science A

12 credit points. Prof. McBratney (Coordinator), Dr Cattle. **Session:** Semester 1. **Classes:** (3 lec, 1 tut & 6hr prac)/wk, 10 days in the field. **Prerequisites:** SOIL2001. **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 mi-

7. Science units of study

crosscopy 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.

Textbooks

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:** Semester 2. **Classes:** 3 lec, 1 tut & 8hr prac/wk. **Prerequisites:** SOIL2001; and AGCH2001 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 chemist 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.

Textbooks

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

Spósito G The Chemistry of Soils. Oxford University Press New York. 1989

SOIL 3008 Rural Spatial Information Systems

6 credit points. Dr Odeh. **Session:** Semester 2. **Classes:** 2 lec & 2hr prac/wk (wks 1-13), four-day field trip in AVCC common break. **Assessment:** One 2 hr exam, field excursion and lab prac reports, presentation and essay topic.

The lecture material will present several themes: i) Principles of Geographical Information Science (GISc): brief history of GISc, ontology and epistemology of spatial phenomena, basic Geographical Information Systems (GIS) structure, coordinate systems and map projections and datums; ii) Fundamentals of remote sensing and geo-image analysis; iii) Geospatial data sources and acquisition methods, including existing maps and their digitisation, remote sensing images, digital elevation models (DEM) and global positioning systems (GPSs); iv) Processing of geospatial data: spatial data in the computer, building and accessing an entity in the database and continuous fields, data analysis using entities and continuous fields for decision support, etc.; v) Spatial statistics: quality of spatial data, spatial analysis of geospatial data, geostatistics, introduction to spatial-temporal modelling. Software packages for geographical information systems will be reviewed.

Practical exercises will focus on applications to land-cover assessment, subcatchment and regional hydrology, and soil quality assess-

ment for decisions regarding sustainable rural land use planning and management. Two of the 4 days of the mid-Semester field excursion will be spent in Canberra visiting various government agencies which research and maintain GIS coverages of major rural environments. The remaining fieldwork will be at University farms at Camden or Arthursleigh, and will involve training in the field use of low and high-resolution GPS for geo-rectification, for ground truthing satellite-derived land cover maps and for the creation of digital elevation models and landform attributes.

Textbooks

Burrough PA, McDonnell RA. Principles of Geographic Information Systems. Oxford University Press, 2000

Clarke KC. Getting started with geographic information systems. Prentice Hall, 2003.

Lillesand T, Kiefer RW. Remote Sensing and Image Interpretation. John Wiley & Sons Inc. 1999.

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 2008 Principles of Histology

6 credit points. Associate Professor Maria Byrne. **Session:** Semester 1. **Classes:** 2 Lectures, 1 practical (2 hr), on-line and museum exercises (6hrs total). **Assumed Knowledge:** General concepts in human biology. **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology. **Assessment:** 1hr theory exam, 1 hr practical exam, 4 quizzes.

NB: The completion of 6 credit points of MBLG units of study 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. The focus is on human systems. Extension exercises introduce students to the connection between histology and anatomy. Modern practical applications of histological techniques and analysis for research are also presented.

Textbooks

Ross MH, Kaye, G.I., and W. Paulina (2003) *Histology - A Text and Atlas*, 4th Edition, Lippincott Williams and Wilkins, New York.

Department of Anatomy and Histology, Principles of Histology, Practical Book (consult Department)

ANAT 2009 Comparative Primate Anatomy

6 credit points. Dr Denise Donlon. **Session:** Semester 2. **Classes:** 2 lects, 1 2hr prac/wk, museum project. **Assumed Knowledge:** Knowledge of basic vertebrate biology. **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology or Junior Archaeology. **Assessment:** One 1 hour theory exam, one 30 min prac exam, two quizzes, one 2000 word essay.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. This unit of student covers the musculo-skeletal anatomy of the human body with particular emphasis on human evolution and comparisons with apes and fossil hominids. The topics covered include the versatility of the human hand, in manipulation and locomotion, bipedalism, climbing and brachiation in apes, and the change in pelvic anatomy associated with bipedalism and obstetric consequences.

Textbooks

Kapit, W. and Elson, L.M. *The Anatomy Coloring Book*. Addison-Wesley, 2001

Reference books:

Aiello, L and Dean, C. *An Introduction to Human Evolutionary Anatomy*. Academic Press 1990.

Zilman, A.L. *The Human Evolution Coloring Book*. Barnes and Noble, Sydney, 1982

ANAT 2010 Concepts of Neuroanatomy

6 credit points. Dr Karen Cullen. **Session:** Semester 2. **Classes:** 2 lects, 2hr prac/wk. **Assumed Knowledge:** Background in basic mammalian biology. **Prerequisites:** BIOL (1001 or 1901) and one of: BIOL (1002 or 1902 or 1003 or 1903) or PSYC (1001 and 1002). **Assessment:** One 2 hr exam, 2000word essay, prac reports, prac test.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. Students are introduced to the structure and organisation of the central and peripheral nervous system. The course begins with an exploration into the make-up of the individual cells, followed by an examination of the different regions of the nervous system. A final theme of the course touches on the organisation of various systems (sensory and motor), together with aspects of higher-order function (memory). In essence, the course covers general concepts of organisation, structure and function of the brain and its different areas. The practicals offer students the unique opportunity to examine specimens in the Anatomy labs and museum. This course will be of considerable interest to students studying science and related disciplines, as well as those wishing to pursue further study in Neuroscience at senior levels.

Textbooks

John Nolte *The Human Brain: An Introduction to its Functional Anatomy*. (2002) Mosby.

Kiernan, Barr's: *The Human Nervous System*. (1998)

ANAT 3001 Microscopy and Histochemistry

12 credit points. Prof Chris Murphy, Ms R Arnold. **Session:** Semester 1. **Classes:** 4hr lec & 8hr lab/wk. **Prerequisites:** 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: From 2006 the prerequisites will be: ANAT2008 For BMedSc students, 42 credit points of Intermediate BMED units including BMED (2803, 2804, 2805).

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:** Semester 2. **Classes:** 12hr/wk. **Assumed Knowledge:** (i) an understanding of the basic structure of vertebrates; (ii) an understanding of basic biochemistry and genetics. **Prerequisites:** ANAT2001. For BMedSc students, 32 credit points of Intermediate BMED units including BMED (2502, 2503, 2504, and 2505). **Assessment:** Theory exam and practical assignments.

NB: From 2006 the prerequisites will be: ANAT2008 or ANAT2011 and MBLG (2771 or 2871). For BMedSc students, 42 credit points of intermediate BMED units including BMED (2802, 2803, 2804, 2806).

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*. (7th edn) Sinauer Associates Inc: Sunderland, Mass. 2003

ANAT 3003 Transmission & Scanning Electron Microsc

12 credit points. Dr M. Anne Swan, Dr Allan Jones. **Session:** Semester 2. **Classes:** 4 hrs lec & 8 hrs lab/wk. **Prerequisites:** ANAT2001. For BMedSc students 32 credit points of Intermediate BMED units including BMED (2503, 2504 & 2505). **Assessment:** 2x2hr theory exams, practical reports and a project.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. From 2006 the prerequisites will be: For BMedSc students 42 credit points of Intermediate BMED units including BMED (2803, 2804 & 2805).

The course is run jointly 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:** Semester 2. **Classes:** 1 lec, 2hr dissection, 3hr prac/tut. **Prerequisites:** ANAT2002. **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 ANAT3004, ANAT3007 & ANAT3008. The completion of 6 credit points of MBLG is highly recommended. From 2006 the prerequisite will be: ANAT2009

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 3005 Topographical Anatomy

12 credit points. Dr Robin Arnold. **Session:** Semester 2. **Classes:** 3 lec & 9 tut or prac/wk. **Prerequisites:** BMED (2101 and 2102) or 32 credit points of Intermediate BMED units including BMED (2503 and 2504 and 2505). **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. From 2006 the prerequisites will be: BMED (2101 and 2102) or 42 credit points of Intermediate BMED units including BMED (2503 and 2504 and 2505).

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.

7. Science units of study

ANAT 3006 Forensic Osteology

6 credit points. Dr Denise Donlon. **Session:** Semester 1. **Classes:** 2 lec, 2hr tut & 2hr prac/week. **Assumed Knowledge:** Understanding of basic human musculoskeletal anatomy. **Prerequisites:** Credit in ANAT2002. **Assessment:** 1hr theory exam, 1/2 hr prac exam, continuous assessment, case study.

NB: The completion of 6 credit points of MBLG is highly recommended. From 2006 the prerequisite will be: at least Credit level in ANAT2009.

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:** Semester 1. **Classes:** 2hrs lec & 4hrs prac/wk. **Assumed Knowledge:** Some knowledge of basic mammalian biology. **Prerequisites:** 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 ANAT3004, ANAT3007 & ANAT3008. From 2006 the prerequisites will be: ANAT2009 or ANAT2010 or any 42 credit points of Intermediate BMED units including BMED (2803, 2804 and 2805).

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:** Semester 2. **Classes:** 2 lec, 2 x 2 hr tut/prac/wk. **Assumed Knowledge:** Some knowledge of basic mammalian biology. **Prerequisites:** ANAT2002. **Assessment:** One assignment, 1hr prac exam, 1.5hr theory exam.

NB: Not more than 12 credit points allowed from ANAT3004, ANAT3007 and ANAT3008. From 2006 the prerequisites will be: ANAT2009.

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

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 Protein Biochemistry (BCHM 2071 - 6 credit points), Human Biochemistry (BCHM 2072 - 6 credit points) and a faculty unit of study Molecular Biology & Genetics A (MBLG 2771 - 6 credit points). For those students who have not completed Junior Biology but have completed 12 credit points of Junior Chemistry the combination of BCHM 2071 and MBLG 2771 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 2771 and BCHM 2072, 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 2871, BCHM 2972, BCHM 3901 and BCHM 3902 are available to qualified students. 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 2002 Molecules, Metabolism and Cells

8 credit points. A/Prof Denyer, Dr Hancock, Biochemistry staff. **Session:** Summer. **Classes:** 3 lec & 5 prac/wk & voluntary tutorials. **Prerequisites:** MBLG (2001 or 2901). **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.

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. A/Prof Denyer, Dr Hancock, Biochemistry staff. **Session:** Summer. **Classes:** 3 lec/wk. **Prerequisites:** MBLG (2001 or 2101 or 2901). **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 2071 Protein Biochemistry

6 credit points. Dr Charles Collyer. **Session:** Semester 1. **Classes:** 2 lec/wk, 1 tut/fortnight, 4hr prac/fortnight. **Assumed Knowledge:** CHEM (1101 and 1102). **Prerequisites:** 12 credit points of Junior Chemistry. **Corequisites:** Recommended concurrent units of study: MBLG (2771 or 2871) for progression to Senior Biochemistry, and/or Intermediate Chemistry. **Assessment:** One 2hr theory exam, 1hr theory of practical exam, 2 prac reports.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. From 2006, MBLG1001 will be an additional prerequisite.

This unit of study introduces biochemistry by describing the physical and chemical activities of proteins and their functions in cells. The details of protein interactions with other cellular components are presented and the relationship of protein structure and function is discussed. Techniques in protein chemistry and analysis, including proteomics are introduced together with key experiments which reveal the physical basis of the functioning of proteins. This course complements the protein science presented in MBLG2771 and BCHM2072 and is ideally suited to students studying intermediate Chemistry together with Biochemistry. The practical course will nurture technical skills in biochemistry and will include protein preparation, the analysis of protein structure and enzymatic assays.

Textbooks

C.W. Pratt & K. Cornely, Essential Biochemistry (John Wiley & Sons, 2004) and the

Resource Manual for Biochemistry 2 Practical Sessions, Sem 1

BCHM 2971 Protein Biochemistry (Advanced)

6 credit points. Dr Charles Collyer. **Session:** Semester 1. **Classes:** 2 lec, 1 tut/fortnight, 4 hr prac/fortnight. **Prerequisites:** Distinction in 12 credit points of Junior Chemistry. **Assessment:** One 2hr theory exam, one 1hr theory of practical exam, 2 prac reports.

NB: The completion of 6 credit points of MBLG is highly recommended.

This advanced unit of study introduces biochemistry by describing the physical and chemical activities of proteins and their functions in cells. The details of protein interactions with other cellular components are presented and the relationship of protein structure and function is discussed. Techniques in protein chemistry and analysis, including proteomics are discussed together with key experiments which reveal the physical basis of the functioning of proteins. This course complements the protein science presented in MBLG2071 and BCHM2072 and is ideally suited to students studying Intermediate Chemistry together with Biochemistry. The advanced practical course will nurture technical skills in protein biochemistry and will include protein preparation, the interpretation of protein structure, enzymatic assays and biochemical analysis.

Textbooks

C.W. Pratt & K. Cornely, Essential Biochemistry (John Wiley & Sons, 2004) and the

Resource Manual for Biochemistry 2 Practical Sessions, Sem 1

BCHM 2072 Human Biochemistry

6 credit points. A/Prof Gareth Denyer. **Session:** Semester 2. **Classes:** 2 lec, 1 tut/wk, 4 prac/alternate wk. **Prerequisites:** MBLG1001 or (6 credit points of Junior Biology or MBLG2771 or MBLG2871 for enrolments in 2005 only) and 12 credit points of Junior Chemistry. **Assessment:** One 2 h theory exam, one 1 h theory of practical exam, practical reports, optional take-home assignments.

NB: From 2006, the prerequisites will be MBLG1001 and 12 credit points of Junior Chemistry. The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage, there is emphasis on the 'whole body' consequences of reactions, pathways and processes at the cellular level.

Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilization and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also dis-

cusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients.

Signal Transduction covers how communication across membranes occurs (i.e. via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting.

The practical component complements the lectures by exposing students to experiments which investigate the effects of diet on the constituents of urine, the diagnosis of chronic disease using blood/tissue enzyme patterns, the measurement of glucose utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be nurtured by frequent use of computers and problem solving activities. However, student exposure to generic skills will be extended by the introduction of exercise designed to teach oral communication, instruction writing and feedback articulation skills.

Textbooks

Metabolic Regulation: A Human Perspective by Keith Frayn (Blackwell Publishers) 2nd edition, 2003

Reference

C.W. Pratt & K. Cornely, Essential Biochemistry (John Wiley & Sons, 2004)

BCHM 2972 Human Biochemistry (Advanced)

6 credit points. A/Prof Gareth Denyer. **Session:** Semester 2. **Classes:** 2 lec, 1 tut/wk, 4 practicals in alternate weeks. **Prerequisites:** MBLG1001 or (6 credit points of Junior Biology or MBLG2771 or MBLG2871 for enrolments in 2005 only) and 12 credit points of Junior Chemistry. Entry also requires a Distinction in two of the prerequisite units of study. **Assessment:** One 2 h theory exam, one 1 h theory of practical exam, practical reports, optional take-home assignments.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. From 2006, the prerequisites will be Distinction in BCHM (2071 or 2971) or (Distinction in MBLG1001 and Distinction in 12 credit points of Junior Chemistry).

This advanced unit aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage, there is emphasis on the 'whole body' consequences of reactions, pathways and processes at the cellular level.

Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilization and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients.

Signal Transduction covers how communication across membranes occurs (i.e., via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting.

The practical component complements the lectures by exposing students to experiments which investigate the effects of diet on the constituents of urine, the diagnosis of chronic disease using blood/tissue enzyme patterns, the measurement of glucose utilization using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills will be nurtured by frequent use of computers and problem solving activities. However, student exposure to generic skills will be extended by the introduction of exercise designed to teach oral communication, instruction writing and feedback articulation skills

Textbooks

Metabolic Regulation: A Human Perspective by Keith Frayn (Blackwell Publishers) 2nd edition, 2003

Reference

C.W. Pratt & K. Cornely, Essential Biochemistry (John Wiley & Sons, 2004)

Biochemistry Senior units of study

BCHM 3001 Mol Biology and Structural Biochemistry

12 credit points. Mrs Jill Johnston, Dr Simon Easterbrook-Smith, Biochemistry staff. **Session:** Semester 1. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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). **Assessment:** One 3hr exam, one 2hr exam, prac work.

NB: From 2006 the prerequisites will be: (12 credit points of Intermediate Biochemistry and MBLG1001) or (MBLG2771/2871 and (6 credit points of Intermediate Biochemistry or MBLG2072/2972)) or all core Intermediate BMedSc units

7. Science units of study

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.

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.

Textbooks

Lewin B. Genes VII. Pearson Prentice Hall. 2004

Branden C. and Tooze J. Introduction to Protein Structure. 2nd edition, 1999, Garland

BCHM 3002 Cellular and Medical Biochemistry

12 credit points. Mrs Jill Johnston, Dr Simon Easterbrook-Smith, Biochemistry staff. **Session:** Semester 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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). **Assessment:** One 3hr exam, one 2hr exam, prac work.

NB: From 2006 the prerequisites will be: (12 credit points of Intermediate Biochemistry and MBLG1001) or (MBLG2771/2871 and (6 credit points of Intermediate Biochemistry or MBLG2072/2972)) or all core Intermediate BMedSc units

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.

Textbooks

Cooper GM. The Cell: A Molecular Approach. ASM Press, 2004

BCHM 3005 Computational Biochemistry

*** No info available for 2005. ***

BCHM 3098 Functional Genomics and Proteomics

6 credit points. Dr K Downard. **Session:** Semester 1. **Classes:** 3 lec & 1 tut/wk, and workshops and/or major assignments. **Assumed Knowledge:** BCHM2011. **Prerequisites:** MBLG (2001 or 2901) or at least 32 credit points of Intermediate BMED units including BMED (2501 and 2502 and 2504). **Assessment:** One 2 hour theory exam and assignments.

NB: This unit of study is a requirement for all molecular biotechnology third-year students and recommended to all students majoring in biochemistry or enrolled in BSc (Bioinformatics) degrees.

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 sequence, structure and function of the proteins that these genes express. The course consists of four sections or modules on Functional Genomics, Proteomics and Bioinformatics, Structural Genomics, and Protein Modelling. Each section or module comprises approximately 8 lectures, tutorials and one-day workshop or assignment. The following areas are covered: 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 functional genomics, Rosetta stone concept, gene technology including expressed sequence tags, serial analysis gene expression (SAGE), microbead technology, cDNA and oligonucleotide microarrays, mutagenesis screens, two and three-hybrid screening, global versus functional proteomics, protein recovery from cells and tissues, platforms and technologies for automated protein identification and quantitation, two-dimension-

al 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, experimental methods used in structural genomics - x-ray and nmr spectroscopy, protein structure prediction, homology and other modelling methods

Textbooks

Gibson and Muse, A Primer in Genome Science, Sinauer Associates Inc., 2002

Wilkins MR, Williams KL, Appel RD, Hochstrasser DF (eds.) Proteome Research - New Frontiers in Functional Genomics, Springer-Verlag 1997.

BCHM 3901 Mol Biology and Structural Biochem (Adv)

12 credit points. Mrs Jill Johnston, Dr Simon Easterbrook-Smith, Biochemistry staff. **Session:** Semester 1. **Classes:** 4 lec & 8 prac/wk & 4 seminars. **Prerequisites:** 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). **Assessment:** One 3hr exam, one 2hr exam, assignment, prac work.

NB: From 2006 the prerequisites will be: Distinctions in (12 credit points of Intermediate Biochemistry and MBLG1001) or (MBLG2771/2871 and (6 credit points of Intermediate Biochemistry or MBLG2072/2972)) or all core Intermediate BMedSc units

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, Pearson Prentice Hall. 2004

Branden C. and Tooze J. Introduction to Protein Structure. 2nd edition, 1999, Garland.

BCHM 3902 Cellular and Medical Biochemistry (Adv)

12 credit points. Mrs Jill Johnston, Dr Simon Easterbrook-Smith, Biochemistry staff. **Session:** Semester 2. **Classes:** 4 lec & 8 prac/wk & 4 seminars. **Prerequisites:** 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). **Assessment:** One 3hr exam, one 2hr exam, assignment, prac work.

NB: From 2006 the prerequisites will be: Distinctions in (12 credit points of Intermediate Biochemistry and MBLG1001) or (MBLG2771/2871 and (6 credit points of Intermediate Biochemistry or MBLG2072/2972)) or all core Intermediate BMedSc units

The lecture and practical components of this units of study are the same as for BCHM3002. 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. 2004

BCHM 3905 Computational Biochemistry (Advanced)

*** No info available for 2005. ***

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 hardware to solve scientific problems in a wide variety of areas ranging from biology to medicine.

Due to its interdisciplinary nature, the BSc (Bioinformatics) degree is composed of units of study that are offered also to students enrolled in other degrees, the general aim being to equip the students enrolled in the BSc (Bioinformatics) degree with knowledge in key areas of relevance to Bioinformatics. In the first year of their study, students devote time to units of study offered by the School of Biological Sciences, School of Chemistry, School of Information Technologies, School of Mathematics and Statistics, and School of Molecular and Microbial Biosciences (see Table 1A).

In the second and third year of their study, students divide time equally between the Life Sciences and the mathematical, statistical, and computational sciences, choosing units of study from those offered by the School of Biological Sciences, School of Information Technologies, School of Mathematics and Statistics, School of Molecular and Microbial Biosciences, School of Physics, and the Department of Pharmacology (see Table 1A).

In the third year of their study, the students are highly recommended to enrol in BIOL3027/3927 (Bioinformatics and Genomics) and BCHM3098 (Functional Genomics and Proteomics). Furthermore, the students complete a unit of study - BINF 3001 (Bioinformatics Project) - that is designed specifically to give them an opportunity

to do real research, supervised by scientists from the bio-medical disciplines.

BINF 3001 Bioinformatics Project

8 credit points. Dr Jermin, A/Prof Spence. **Session:** Semester 2. **Classes:** 1 hr meeting with supervisor and 7hr project work/wk; 3-4 introductory lectures given by supervisor. **Assumed Knowledge:** 12 credit points from Junior units of study in Software Development (SOFT) and/or Computational Science (COSC). **Prerequisites:** SOFT (2004 or 2904) and 16 credit points from Intermediate Biology, Biochemistry, Microbiology, Molecular Biology and Genetics and/or Pharmacology. **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.

NB: MBLG2002/2902, BIOL3027/3927 and BCHM3908 are highly recommended.

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:** Summer, Semester 1. **Classes:** 3 lec & usually 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. **Assessment:** One 2.5hr exam, assignments, classwork.

NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

Concepts in Biology is an introduction to the major themes of modern biology. We start with introductory cell biology, which particularly emphasises how cells obtain and use energy. We then discuss the structure and function of microorganisms. The significance of molecular biology is covered working from the role of DNA in protein synthesis and development through to modern techniques and their uses. The genetics of organisms is then discussed, leading to consideration of theories of evolution and the origins of the diversity of modern organisms. We bring all the abovementioned concepts together to develop an understanding of interactions between organisms in biological communities or ecosystems. Finally we discuss the significance of human impact on other living organisms, with particular reference to finding solutions to problems in areas such as global warming, introduced pests, and extinctions. The unit is designed so that lab classes and the field trip integrate with the lectures. Lab activities are carried out in groups so that team work skills are developed. This unit also incorporates a number of key generic skills such as written communication skills, discussion and data interpretation, and experimental design and hypothesis testing skills.

Textbooks

Knox R B et al. Biology. McGraw-Hill, 3rd ed, 2005.

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1101 Biology - Ecosystems to Genes

6 credit points. **Session:** Semester 1. **Classes:** 3 lec & 3 hrs. prac/wk. **Prerequisites:** HSC 2-unit Biology or equivalent. **Assessment:** One 2.5hr exam, assignments, classwork. *NB: It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.*

Biology - Ecosystems to Genes builds on a satisfactory prior knowledge of the HSC 2-unit Biology course. A brief revision of the basic

7. Science units of study

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:** Semester 1. **Classes:** 3 lec & 3 hrs prac/wk. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. **Assessment:** One 2.5hr exam, assignments, classwork.

NB: Department permission required for enrolment. It is recommended that BIOL (1001 or 1101 or 1901) be taken before all Semester 2 Junior units of study in Biology.

This unit of study is a more demanding alternative component of Biology - Ecosystems to Genes.

BIOL 1002 Living Systems

6 credit points. **Session:** Semester 2. **Classes:** (3 lec & 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. **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, 3rd ed, 2005.

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

BIOL 1902 Living Systems (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** (3 lec & 2 hrs prac)/wk. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. **Assessment:** One 2.5hr exam, assignments, classwork, independent project.

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:** Summer, Semester 2. **Classes:** (2 lec, 1 session independent study & 3 prac)/wk. **Assumed Knowledge:** HSC 2-unit Biology. **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, R., Stephens, T.D. & Tate, P. (2005) 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.

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

BIOL 1903 Human Biology (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** 2 lec, 1 session independent study & 3 hrs prac/wk. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. **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, R., Stephens, T.D. & Tate, P. (2005) 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.

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester

BIOL 1904 Living Systems Molecular (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** (3 lec & 2hrs prac)/wk. **Assumed Knowledge:** HSC 2-unit Biology or BIOL1901 or equivalent. **Assessment:** One 2.5hr exam, assignments, classwork, independent project.

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 BIOL1902 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:** Semester 2. **Classes:** 2 lec, 1 session independent study & 3hr prac/wk, & 5 discussion sessions. **Assumed Knowledge:** HSC 2-unit Biology or BIOL1901 or equivalent. **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 BIOL1903 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 (2771 or 2871) and MBLG (2072 or 2972) are highly recommended to be taken by Science students in combination with all 6 credit point Intermediate Biology units of study, and are qualifying units for BIOL (3018, 3025, 3026, 3027). Note that MBLG (2771 or 2871) is a prerequisite for students wishing to enrol in MBLG (2072 or 2972). See entry for MBLG 2771, 2871, 2072 and 2972 under the heading Molecular Biology and Genetics.

From 2005, Plant Science (PLNT) units will replace certain BIOL units.

The following Intermediate units of study are offered:

February Semester

Group 1

- BIOL 2011 Invertebrate Zoology
- BIOL 2911 Invertebrate Zoology (Advanced)

Group 6

- BIOL 2016 Cell Biology
- BIOL 2916 Cell Biology (Advanced)

Group 3

- PLNT 2001 Applied Plant Biochemistry

- PLNT 2901 Applied Plant Biochemistry (Advanced)
- PLNT 2002 Aust Flora: Ecology and Conservation
- PLNT 2902 Aust Flora: Ecology & Conservation (Adv)

July Semester

Group 2

- BIOL 2012 Vertebrates and their Origins
- BIOL 2912 Vertebrates and their Origins (Advanced)

Group 4

- PLNT 2003 Plant Form and Function
- PLNT 2903 Plant Form and Function (Advanced)

Group 5

- MBLG 2072 Molecular Biology and Genetics B
- MBLG 2972 Molecular Biology and Genetics B (Advanced)

Group 7

- BIOL 2017 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 6 credit points Intermediate Biology units of study (see the Senior unit of study descriptions or Information for Students booklets). For details of PLNT units please refer to the Plant Science entry in this chapter.

BIOL 2011 Invertebrate Zoology

6 credit points. Dr E L May, A/Prof M B Thompson. **Session:** Semester 1. **Classes:** (2 lec, 1 tut, 2 prac)/wk or (3 lec, 2 prac)/wk. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Assessment:** Mid-semester test, one 2hr theory exam, one 1.5hr prac exam, one essay, tutorial work.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. This unit of study provides a thorough grounding in the diversity of animals by lectures and detailed laboratory classes, which include dissections and demonstrations of the functional anatomy of invertebrates. The material is presented within the conceptual framework of evolution and the principles and use of phylogeny and classification. Tutorials further explore concepts of phylogeny, animal structure and function, and provide opportunity to develop oral and written communication skills. The unit of study is designed to be taken in conjunction with BIOL2012 Vertebrates and their Origins; the two units of study together provide complete coverage of the diversity of animals at the level of phylum. This unit of study may be taken alone, but when taken with BIOL2012 provides entry into certain Senior Biology units of study.

BIOL 2911 Invertebrate Zoology (Advanced)

6 credit points. Dr E May. **Session:** Semester 1. **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and 6 credit points of Junior Physics) These requirements may be varied and students with lower averages should consult the Unit Executive Officer.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. Qualified students will participate in alternative components of BIOL 2011 Invertebrate Zoology. The content and nature of these components may vary from year to year.

BIOL 2012 Vertebrates and their Origins

6 credit points. Dr E L May, A/Prof M B Thompson. **Session:** Semester 2. **Classes:** (2 lec, 1 tut, 2 prac)/wk or (3 lec, 2 prac)/wk, one field trip. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** BIOL (1001 or 1101 or 1901) and (either BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016 (for BEd (Secondary) (Human Movement and Health Education))) and 12 credit points of Junior Chemistry. For students in BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Assessment:** Mid-semester test, one 2hr theory exam, one 1.5hr prac exam, one assignment, one essay, tutorial work.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study completes the grounding in the diversity of animals at the level of phylum introduced in BIOL2011 Invertebrate Zoology, by lectures and detailed laboratory classes, which include dissections and demonstrations of the functional anatomy of vertebrates and invertebrate phyla not covered in BIOL2011. Tutorials further explore concepts of phylogeny, animal structure and function, and provide opportunity to develop oral and written communication skills. Students may choose to attend an intensive 3.5 day field trip.

BIOL 2912 Vertebrates and their Origins (Advanced)

6 credit points. Dr E May. **Session:** Semester 2. **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and either one of BIOL (1002 or 1902 or 1003 or 1903) or EDUH1016. 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and 6 credit points of Junior Physics) These requirements may be varied and students with lower averages should consult the Unit Executive Officer.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. Qualified students will participate in alternative components of BIOL2012 Vertebrates and their Origins. The content and nature of these components may vary from year to year.

BIOL 2016 Cell Biology

6 credit points. Dr Jan Marc, Dr Murray Thomson, A/Prof Robyn Overall, Dr Osu Lilje. **Session:** Semester 1. **Classes:** (3 lec, 3 prac)/wk, (wks 1-9). **Prerequisites:** 12 credit points of Junior Biology or EDUH1016 and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) stream: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Assessment:** One 3 hr theory exam, one project assignment, one prac report.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. This unit of study focuses on contemporary principles in cell biology and development in plant and animals, with emphasis on cellular functions and favouring the molecular perspective. Topics include the structure, function, and evolution of cells and organelles, cellular development and differentiation, and embryonic development.

Material covered in lectures is integrated with laboratory classes. The unit of study is designed to complement intermediate Molecular Biology and Genetics units and BCHM2002 Molecules, Metabolism, and Cells. It leads ideally to various senior units of study in biology, including Plant Cells & Development, Plant Physiology, Recombinant DNA, Evolutionary and Developmental Genetics, Fungal Biology, Animal Physiology, Bioinformatics and Genomics, as well as senior units of study in biochemistry.

Textbooks

Alberts B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002. Molecular Biology of the Cell. 4th Edition. Garland Science

OR

Alberts B, Bray D, Hopkin K, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2004. Essential Cell Biology. Second Edition. Garland Science

Study Guide BIOL2016/2916 Cell Biology (available from Copy Centre)

BIOL 2916 Cell Biology (Advanced)

6 credit points. Dr Jan Marc, Dr Murray Thomson, A/Prof Robyn Overall, Dr Osu Lilje. **Session:** Semester 1. **Classes:** 3 lec/wk, 3hrs prac/wk (wk1-9). **Prerequisites:** Distinction average in BIOL (1001 or 1101 or 1901) and one of BIOL (1002 or 1902 or 1003 or 1903 or 1904 or 1905) and 12 cp of Junior Chemistry. **Assessment:** One 3 hr exam, one practical report and one project assignment.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. This is a core intermediate unit in the BSc (Molecular Biology and Genetics) award course.

This unit of study focuses on contemporary principles in cell biology and development in plant and animals, with emphasis on cellular functions and favouring the molecular perspective. Topics include the structure, function, and evolution of cells and organelles, cellular development and differentiation, and embryonic development.

Material covered in lectures is integrated with laboratory classes. The unit of study is designed to complement Intermediate Molecular Biology and Genetics units and BCHM2002 Molecules, Metabolism, and Cells. It leads ideally to various Senior units of study in Biology, including Plant Cells & Development, Plant Physiology, Recombinant DNA, Evolutionary and Developmental Genetics, Fungal Biology, Animal Physiology, Bioinformatics and Genomics, as well as Senior units of study in Biochemistry.

Textbooks

Alberts B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002. Molecular Biology of the Cell. 4th Edition. Garland Science

OR

Alberts B, Bray D, Hopkin K, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2004. Essential Cell Biology. Second Edition. Garland Science

Study Guide BIOL2016/2916 Cell Biology (available from Copy Centre)

BIOL 2017 Entomology

6 credit points. Dr Dieter Hochuli. **Session:** Semester 2. **Classes:** 2.5 lecture and 2.5 practical. **Assumed Knowledge:** BIOL (2001 or 2901 or 2011 or 2911). **Prerequisites:**

7. Science units of study

12 credit points of Junior Biology. **Assessment:** Two hour theory exam, two practical reports, a presentation, review and an insect collection.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

A general but comprehensive introduction to Insect Biology, this unit of study develops understanding of the scientific approach to insect structural diversity, identification, life histories, development, physiology, ecology, biogeography, principles of control, toxicology of insecticides and biology of major economic pests in NSW. Practicals give a working knowledge of major orders of insects, economically 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:

(a) obtain Information for Students Considering Senior Biology Units of Study from the School Office (The Cottage, A10 Science Road). This booklet gives detailed synopses of all Senior Biology units of study.

(b) discuss their choice with a Biology Staff member before enrolling.

Sixteen 6 credit point units of study are offered. 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)

(Please note: from 2006, BIOL 3021/3931 will be replaced by the Plant Science unit of study PLNT 3002/3902 Plant Development.)

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:** Semester 1a. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). **Assessment:** One 1.5 hr exam, field trip seminar, laboratory reports.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Ecophysiology is a conceptually based unit of study that covers physiological interactions between organisms and their environments. The importance of environmental parameters, such as temperature, water, salt and pH, for biological functions, are investigated. Physiological interactions among animals, plants and fungi are 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:** Semester 1a. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 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. **Assessment:** One 1.5 hr exam, field trip seminar, independent project report.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Ecophysiology (Advanced) shares the same lectures as BIOL 3011 Ecophysiology, but it includes an independent project in place of the laboratory report (equivalent of 20% of Ecophysiology). The content and nature of the independent project vary and students are encouraged to design their own project.

BIOL 3012 Animal Physiology

6 credit points. A/Prof Thompson. **Session:** Semester 1b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2002 or 2003 or 2006 or 2902 or 2903 or 2906). **Assessment:** One 1.5 hr exam, laboratory/library reports.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Animal Physiology explores aspects of the physiology of animals and how physiology is influenced by environmental factors. The emphasis of the unit of study is vertebrate animals, although invertebrate examples will be used where appropriate. The unit of study is designed to complement Ecophysiology. Particular emphasis will be placed on energy metabolism and respiration in a range of animals and how that is affected by body mass and locomotion.

BIOL 3912 Animal Physiology (Advanced)

6 credit points. A/Prof Thompson. **Session:** Semester 1b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 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.

Assessment: One 1.5 hr exam, laboratory reports, independent project report.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Animal Physiology (Advanced) shares the same lectures as Animal Physiology, but it includes an independent project in place of one or more components of the laboratory classes to the equivalent of 30% of Animal Physiology. The content and nature of the independent project may vary from year to year.

BIOL 3013 Marine Biology

6 credit points. **Session:** Semester 1b. **Classes:** 4 lec & 8 prac/wk. **Assumed Knowledge:** MARS2002. **Prerequisites:** 16 credit points of Intermediate Biology, including BIOL (2001 or 2002 or 2003 or 2004 or 2901 or 2902 or 2903 or 2904). **Assessment:** Practical reports, paper criticisms and other assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

We will examine in detail processes which are important for the establishment and maintenance of marine communities. Lectures will expose students to the key ideas, researchers and methodologies within selected fields of marine biology. Laboratory sessions will complement the lectures by providing students with hands-on experience with the organisms and the processes that affect them. Students will develop critical analysis skills while examining the current literature.

BIOL 3913 Marine Biology (Advanced)

6 credit points. **Session:** Semester 1b. **Classes:** 4 lec & 8 prac/wk. **Assumed Knowledge:** MARS2002. **Prerequisites:** 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. **Assessment:** Practical reports, paper criticisms and other assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will participate in alternative components of the BIOL 3103 Marine Biology unit. The content and nature of these components may vary from year to year.

BIOL 3014 Biology of Terrestrial Vertebrates

6 credit points. **Session:** Semester 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology. **Assessment:** One 1.5hr exam, laboratory report, seminar, one 1 hr practical examination.

NB: The completion of 6 credit points of MBLG units 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:** Semester 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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. **Assessment:** One 1.5hr exam, laboratory report, seminar, one 1hr prac exam.

NB: The completion of 6 credit points of MBLG units 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:** Semester 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Assessment:** One 1.5hr exam, assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

This unit of study will deal with the 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:** Semester 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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. **Assessment:** One 1.5hr exam, assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

See BIOL3015.

BIOL 3017 Fungal Biology

6 credit points. Dr P McGee. **Session:** Semester 1a. **Classes:** 5 lec & 15 prac in a two week intensive program immediately prior to semester one (labs run from 21 February to 4 March 2005), plus the equivalent of 30hrs self-guided study during the semester.

Prerequisites: 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. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Students interested in fungal ecology, environmental and rehabilitation biology, fungal biodiversity, biological control and soil microbiology will study the structure and function of fungi. Emphasis will be placed on the benefit provided by fungi in symbiotic interactions with plants, including mycorrhizal fungi and shoot-borne endophytes. Physiological and ecological implications of the interactions will also be examined, emphasising the use of these interactions in vegetation restoration and biocontrol of pests and pathogens. Students will be encouraged to develop a deeper understanding of one area of Fungal Biology through independent study. Part of the learning material will be available on the internet.

BIOL 3917 Fungal Biology (Advanced)

6 credit points. Dr P McGee. **Session:** Semester 1a. **Classes:** 5 lec & 15 prac in a two week intensive program immediately prior to semester one (labs run from 21 February to 4 March 2005), plus the equivalent of 30hrs self-guided study during the semester.

Prerequisites: 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. **Assessment:** One 2hr take home exam, laboratory and written assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

Qualified students will participate in alternative components of BIOL3017 Fungal Biology. The content and nature of the components will vary each year, but will include individual research on a topic agreed on with the executive officer.

BIOL 3018 Applications of Recombinant DNA Tech

6 credit points. Dr B Lyon, Prof R Skurray. **Session:** Semester 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** MBLG (2001 or 2901) and MBLG (2002 or 2902) or 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. **Assessment:** One 2 hr exam, practical report, assignment.

NB: In 2006 the prerequisites will be MBLG (2771 or 2871) and MBLG (2072 or 2972) or 12 credit points of Intermediate Biology.

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:** Semester 1a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** Distinction average in MBLG (2001 or 2901) and MBLG (2002 or 2902) or 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. **Assessment:** One 2 hr exam, assignment, seminar.

NB: In 2006 the prerequisites will be MBLG (2771 or 2871) and MBLG (2072 or 2972) or 12 credit points of Intermediate Biology.

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:** Semester 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2006 or 2906). **Assessment:** One 2hr exam, assignments, one essay.

NB: The completion of 6 credit points of MBLG is highly recommended. This unit will not be available from 2006.

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:** Semester 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2003 or 2903 or 2906 or 2906). These requirements may be varied

7. Science units of study

and students with lower averages should consult the unit Executive Officer. **Assessment:** One 2hr exam, assignments, one essay.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. This unit will not be available from 2006.

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:** Semester 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2003 or 2006 or 2903 or 2906). **Assessment:** One 2 hr exam, assignment reports.

NB: The completion of 6 credit points of MBLG units is highly recommended.

This unit of study comprises of lectures, practical assignments and journal assessment workshops so students can gain an understanding of the current 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. An in-depth assessment of our current understanding of plant water relations based on current research will follow. 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.

Journal articles (references to be provided during class)

BIOL 3932 Plant Physiology (Advanced)

6 credit points. **Session:** Semester 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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. **Assessment:** One 2 hr exam, assignment reports.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

Qualified students will participate in alternative components of BIOL3022 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. Prof Dickman. **Session:** Semester 2a. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2002 or 2902 or 2004 or 2904). **Assessment:** One 2 hr exam, laboratory reports.

NB: The completion of 6 credit points of MBLG units 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 BIOL3023 only do not take the field course and will undertake coursework separate from the other students.

BIOL 3923 Ecological Methods (Advanced)

6 credit points. Prof Dickman. **Session:** Semester 2a. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** Distinction average in BIOL (2001 or 2901) and (2002 or 2902), or in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Assessment:** One 2 hr exam, laboratory reports.

NB: The completion of 6 credit points of MBLG units is highly recommended.

This unit of study has the same objectives as BIOL3023 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 the first week. 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:** Semester 2a. **Classes:** (4 lec & 8 prac)/wk. **Prerequisites:** 16 credit points from MBLG (2001 or 2901 or 2002 or 2902) and Inter-

mediate Biology units. For BMedSc students: 32 credit points of Intermediate BMED units including BMED2502. **Assessment:** One 2hr exam, assignments, seminar.

NB: In 2006 the MBLG prerequisites will be replaced by 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).

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:** Semester 2a. **Classes:** 4 lec & 8 prac/wk.

Prerequisites: 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 BMED2502. These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Assessment:** One 2hr exam, assignments, seminar.

NB: In 2006 the prerequisites will be: Distinction average in 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).

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:** Semester 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** MBLG (2001 or 2901) and MBLG (2002 or 2902) or 16 credit points of Intermediate Biology. For BMedSc students: 32 credit points of Intermediate BMED units including BMED 2502. **Assessment:** One 2hr exam, assignments.

NB: In 2006 the MBLG prerequisites will be replaced by 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).

This unit discusses current understanding of developmental genetics with emphasis on molecular genetics. The developmental genetics of model plants and animals will be investigated. In particular, the molecular genetics of vertebrate development, pattern formation and gene expression, sex determination, the study of mutants in development, plant specific processes such as root formation and flowering, will be covered making reference to modern techniques such as transgenics, recombinant DNA technology, and tissue specific expression analysis. Various methods of genetic mapping will be covered. Practical work complements the theoretical aspects and develops important genetical skills.

BIOL 3926 Developmental Genetics (Advanced)

6 credit points. Dr Saleeba, Dr Raphael, A/Prof Gillies. **Session:** Semester 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** Distinction average in 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 Distinction in BMED2502. These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Assessment:** One 2hr exam, assignments.

NB: In 2006 the prerequisites will be: 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).

Qualified students will participate in alternative components to BIOL3026 Developmental Genetics. The content and nature of these components may vary from year to year. Some assessment will be in an alternative format.

BIOL 3027 Bioinformatics and Genomics

6 credit points. Dr Firth, Dr Jermin, Dr Saleeba and others. **Session:** Semester 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** MBLG (2001 or 2101 or 2901) and MBLG (2002 or 2902) 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. **Assessment:** One 2 hr exam, assignment. *NB: A recommended unit of study for third year students enrolled in the BSc (Bioinformatics) degree. In 2006 the prerequisites will be: MBLG (2771 or 2871)*

A unit of study comprising lectures, practical assignments and tutorials on the application of bioinformatics to the storage, retrieval and analysis of biological information, principally in the form of nucleotide and amino acid sequences. Although the main emphasis is on sequence data, other forms of biological information are considered, 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 Jermini, Dr Saleeba and others. **Session:** Semester 1b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** Distinction MBLG (2001 or 2901) and MBLG (2002 or 2902) 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 consult the unit Executive Officer. **Assessment:** One 2 hr exam, assignment.

NB: A recommended unit of study for third year students enrolled in the BSc (Bioinformatics) degree. In 2006 the prerequisites will be: MBLG (2771 or 2871) and MBLG (2002 or 2902) or Distinction average in 12 credit points of Intermediate Biology including BIOL (2001 or 2901 or 2004 or 2904 or 2006 or 2906).

Qualified students will participate in alternative components of BIOL3027 Bioinformatics and Genomics. The content and nature of these components may vary from year to year. Some assessment will be in alternative format.

BIOL 3928 Evolutionary Genetics Molecular (Adv)

6 credit points. A/Prof Oldroyd. **Session:** Semester 2a. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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 BMED2502. These requirements may be varied and students with lower averages should contact the unit Executive Officer. **Assessment:** One 2hr exam, assignments, seminar and an essay based on discussion sessions.

NB: The completion of 6 credit points of MBLG units of study 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 BIOL3925 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:** Semester 2b. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** Distinction average in 16 credit points of Intermediate Biology including MBLG (2001 or 2901 and 2002 or 2902). **Assessment:** One 2hr exam, assignments.

NB: This unit of study is available to students enrolled in the Bachelor of Science (Molecular Biology and Genetics) only. In 2006 the prerequisites will be: Distinction average in 12 credit points from MBLG (2771 or 2871) and MBLG (2072 or 2972).

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:** Semester 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology. **Corequisites:** BIOL (3023 or 3923).. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of 6 credit points of MBLG units 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:** Semester 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** Distinction average in 16 credit points of Intermediate Biology. **Corequisites:** BIOL (3023 or 3923).. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: From 2006 the prerequisites will be: Distinction average in 12 cp of Intermediate Biology

This unit has the same objectives as BIOL3030 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 C McArthur, Dr Hochuli, Prof Dickman. **Session:** Semester 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** BIOL (2001 or 2901) and BIOL (2002 or 2902). **Corequisites:** BIOL (3023 or 3923). **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended. From 2006 the prerequisites will be: BIOL (2011 or 2911) and BIOL (2012 or 2912)

Terrestrial Ecology considers the dynamics of ecological systems. Inter- and intra-specific competition, herbivory, predation and other interactions 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 an 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 McArthur, Dr Hochuli, Prof Dickman. **Session:** Semester 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** Distinction average in BIOL (2001 or 2901) and (2002 or 2902). **Corequisites:** BIOL (3023 or 3923). **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended. From 2006 the prerequisites will be: Distinction average in BIOL (2011 or 2911) and BIOL (2012 or 2912)

This unit has the same objectives as BIOL3031 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:** Semester 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Corequisites:** BIOL (3023 or 3923).. **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:** Semester 2b. **Classes:** 4 lec and 8 prac/wk. **Prerequisites:** Distinction average in 16 credit points of Intermediate Biology including BIOL (2004 or 2904). **Corequisites:** BIOL (3023 or 3923).. **Assessment:** One 2 hr exam, laboratory reports, practical assignments.

NB: The completion of 6 credit points of MBLG units is highly recommended.

This unit has the same objectives as BIOL3032 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.

7. Science units of study

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) a project in which the student investigates a problem and presents oral and written accounts of his or her research.
- (b) coursework units chosen from a program offered by the School.
- (c) 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:

- (a) written assignments and essays from coursework units.
- (b) marks awarded for a thesis on the subject of the project.

Graduate Diploma in Science (Biology)

The Graduate Diploma program in Biology is available as a one year full-time or two year part-time course. 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.

The Department of Pathology is located on Level 5 of the Blackburn Building (phone 9351 2414).

CPAT 3101 Pathological Basis of Human Disease

12 credit points. Prof. Hunt, Dr Gibbins, Dr Hambly, A/Prof. King, Dr Pamphlett and others. **Session:** Semester 2. **Classes:** 3hr lec, 6 hrs self directed learning or museum sessions, & 3 hr microscopic specimen prac class/wk (Total 12 hrs/wk). **Prerequisites:** ANAT2001 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 PCOL2001 or PHSI2001. 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 6 credit points of MBLG units of study is highly recommended. From 2006 BMedSc students will need 42 credit points of Intermediate BMED units of study.

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.

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:** Semester 1. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Assumed Knowledge:** There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

The aim of the unit of study is to provide those students whose chemical background is weak (or non-existent) with a good grounding in fundamental chemical principles together with an overview of the relevance of chemistry. There is no prerequisite or assumed knowledge for entry to this unit of study.

Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1002 Fundamentals of Chemistry 1B

6 credit points. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1001 or 1101) or equivalent. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

CHEM1002 builds on CHEM1001 to provide a sound coverage of inorganic and organic chemistry.

Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1101 Chemistry 1A

6 credit points. **Session:** Summer, Semester 1, Semester 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Assumed Knowledge:** HSC Chemistry and Mathematics. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

Chemistry 1A is built on a satisfactory prior knowledge of the HSC Chemistry course. A brief revision of basic concepts of the high school course is given. Chemistry 1A covers chemical theory and physical chemistry.

Lectures: A series of 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1102 Chemistry 1B

6 credit points. **Session:** Summer, Semester 1, Semester 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

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.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1901 Chemistry 1A (Advanced)

6 credit points. **Session:** Semester 1. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** UAI of at least 96.4 and HSC Chemistry result >80, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Assessment:**

Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: Department permission required for enrolment.

Chemistry 1A (Advanced) is available to students with a very good HSC performance as well as a very good school record in chemistry or science. Students in this category are expected to do Chemistry 1A (Advanced) rather than Chemistry 1A.

The theory and practical work syllabuses for Chemistry 1A and Chemistry 1A (Advanced) are similar, though the level of treatment in the latter unit of study is more advanced, presupposing a very good grounding in the subject at secondary level. Chemistry 1A (Advanced) covers chemical theory and physical chemistry.

Lectures: A series of about 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1902 Chemistry 1B (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk for 10 wks. **Prerequisites:** CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent. **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: Department permission required for enrolment.

Chemistry 1B (Advanced) is built on a satisfactory prior knowledge of Chemistry 1A (Advanced) and covers inorganic and organic chemistry. Chemistry 1B (Advanced) is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

Lectures: A series of about 39 lectures, three per week throughout the semester.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1903 Chemistry 1A (Special Studies Program)

6 credit points. **Session:** Semester 1. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk. **Prerequisites:** UAI of at least 98.7 and HSC Chemistry result in Band 6. **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics.

NB: Department permission required for enrolment. Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.

Entry to Chemistry 1A (Special Studies Program) is restricted to students with an excellent school record in Chemistry. The practical work syllabus for Chemistry 1A (Special Studies Program) is very different from that for Chemistry 1A and Chemistry 1A (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1A (Advanced).

A Distinction in Chemistry 1A (Special Studies Program) is an acceptable prerequisite for entry into Chemistry 1B (Special Studies Program).

CHEM 1904 Chemistry 1B (Special Studies Program)

6 credit points. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk & 3hrs prac/wk. **Prerequisites:** Distinction in CHEM 1903. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics including MATH (1003 or 1903).

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:** Semester 1. **Classes:** 3 lec/tut & 3hr prac/wk for 10 weeks & 7 discussion sessions. **Prerequisites:** UAI of at least 93 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **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 CHEM1901 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:** Semester 1. **Classes:** 3 lec/tut & 3hr prac/wk & 7 discussion sessions. **Prerequisites:** 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. **Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics. **Assessment:** One 3hr closed book exam (65%), prac reports (10%), quizzes (15%), essay based on discussion sessions (10%).

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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 CHEM1903 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:** Semester 1. **Classes:** Total of 6hrs per week consisting on average of 3 lectures, 1 tutorial/discussion session and 2hrs of practical work. **Prerequisites:** UAI of at least 93 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **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.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1908 Chemistry 1 Life Sciences A (Advanced)

6 credit points. **Session:** Semester 1. **Classes:** Total of 6hrs per week consisting on average of 3 lectures, 1 tutorial session and 2hrs of practical work. **Prerequisites:** UAI of at least 93 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: Department permission required for enrolment. This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.

Lectures (39 hr): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: atomic structure, chemical bonding and organic chemistry of functional groups with applications in life sciences.

Tutorials (13 hr): These will provide aspects of problem solving relevant to the theory.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

CHEM 1909 Chemistry 1 Life Sciences B Mol (Adv)

6 credit points. **Session:** Semester 2. **Classes:** Total of 6hrs per week consisting on average of 3 lectures, 1 tutorial session and 2hrs of practical work. **Prerequisites:** CHEM (1907 or 1908) or equivalent. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%).

NB: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.

Lectures (39 hr): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: chemical equilibria, solutions, acids and bases, ions in solution, redox reactions, colloids and surface chemistry, the biological periodic table, chemical kinetics and radiochemistry with applications to life sciences.

Tutorials (13 hr): These will provide aspects of problem solving relevant to the unit of study.

Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

Chemistry Intermediate units of study

Dr R J Clarke

The School of Chemistry offers a number of units of study to cater for the differing needs of students. The following units of study are offered:

CHEM 2401 Molecular Reactivity and Spectroscopy, 6 credit points

CHEM 2402 Chemical Structure and Stability, 6 credit points

CHEM 2403 Chemistry of Biological Molecules, 6 credit points

CHEM 2404 Forensic and Environmental Chemistry, 6 credit points

CHEM 2911 Molecular Reactivity and Spectroscopy (Adv), 6 credit points

CHEM 2912 Chemical Structure and Stability (Adv), 6 credit points

CHEM 2913 Chemistry of Biological Molecules (Adv), 6 credit points

CHEM 2915 Molecular Reactivity and Spectroscopy SSP, 6 credit points

CHEM 2916 Chemical Structure and Stability SSP, 6 credit points

CHEM 2913 is available to students in the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Science (Molecular Biotechnology) only. Students seeking further information about CHEM 2913 should consult the relevant Tables earlier in this chapter as well as degree information in Chapter 2 of this handbook.

CHEM 2401 Molecular Reactivity and Spectroscopy

6 credit points. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, seven 1 hour tutorials per semester, seven four-hour practicals per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics. **Assessment:** One 2 hour exam plus assignment/assessment.

This is one of two core units of study for students interested in majoring in chemistry. The unit covers fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and includes applications of spectroscopy in environmental studies. It also covers the organic chemistry of aromatic systems, aldehydes and ketones, organometallic reagents, carbohydrates and DNA.

CHEM 2402 Chemical Structure and Stability

6 credit points. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, seven 1 hour tutorials per semester, seven four-hour practicals per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909 or 1612); 6 credit points of Junior Mathematics. **Assessment:** One 2 hour exam plus assignment/assessment.

Lectures:

The lectures for this unit of study include the structure, bonding and properties of inorganic compounds and complexes; statistical thermodynamics and thermodynamics; amine chemistry, electrophilic substitution and the chemistry of aromatics, the chemistry of carbonyls, nucleophilic organometallic reagents and organic synthesis and synthetic methods.

Additional information:

Main chemistry unit of study for students expecting to major in chemistry.

CHEM 2403 Chemistry of Biological Molecules

6 credit points. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, eight 1 hour tutorials per semester, five 4 hour practical sessions per semester. **Prerequisites:** CHEM (1102 or 1902 or 1904 or 1909); 6 credit points of Junior Mathematics. **Assessment:** One 2 hour exam plus assignment/assessment.

NB: To enrol in Senior Chemistry in 2006 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.

This unit of study aims to give students an understanding of the chemistry underlying biological systems. Lectures will cover the mechanisms of organic chemical reactions and their application to biological systems, the molecular basis of spectroscopic techniques used in biological chemistry, analytical chemistry of biological systems, biopolymers and biocolloids and topics from inorganic chemistry of relevance to biological systems (metalloproteins, biomineralisation, etc). The practical work will cover experimental investigations of chemical kinetics, organic and inorganic chemical analysis, biopolymer characterisation, and preparation and characterisation of a metal-based anti-inflammatory drug.

CHEM 2404 Forensic and Environmental Chemistry

6 credit points. Dr R J Clarke. **Session:** Semester 1. **Classes:** Two lectures per week, one tutorial per week, plus five 4 hour practical sessions per semester. **Prerequisites:** CHEM 1102 or 1902 or 1904 or 1909; 6 credit points of Junior Mathematics. **Corequisites:** BSc candidates CHEM (2101 or 2301 or 2401 or 2502 or 2901 or 2911 or 2915). **Assessment:** One 2 hour exam plus assignment/assessment.

NB: To enrol in Senior Chemistry in 2006 it will be a requirement that students complete CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.

Chemical analysis is a fundamental task of a professional chemist. The identification of chemical species and the quantitative determ-

ination of how much of each species is present are the essential first steps in solving all chemical puzzles. In this course students learn of analytical techniques and chemical problem solving in the context of forensic and environmental chemistry. The basics of natural chemical processes in the environment (elemental cycles and energy balance) leads on to case studies involving air and water pollution and strategies for solutions, including lectures on Green Chemistry. The Forensic component of the course examines the gathering and analysis of evidence, using a wide variety of chemical techniques, as well as the development of specialized forensic techniques in the analysis of trace evidence. Students will also study forensic analyses of inorganic, organic and biological materials, dust, soil, inks, paints, documents, etc. in police, customs and insurance investigations and learn how techniques such as IR, UV, MS, GC, GC-MS, XRD, XRF, SEM, EDAX ICP, HPLC, trace metals analysis, separation science, DNA analysis, etc., singly and in combination are used to examine forensic evidence.

CHEM 2911 Molecular Reactivity & Spectroscopy Adv

6 credit points. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, seven 1 hour tutorials per semester and eight 4 hour practicals per semester. **Prerequisites:** Credit average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Assessment:** One 2 hour exam plus assignment/assessment.

The syllabus for this unit is that of CHEM2401 together with special Advanced material presented in the theory and/or practical programs. The lectures cover fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and includes applications of spectroscopy in environmental studies. It also covers the organic chemistry of aromatic systems, aldehydes and ketones, organometallic reagents, carbohydrates and DNA.

CHEM 2912 Chemical Structure and Stability (Adv)

6 credit points. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** Credit average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Assessment:** One 2 hour exam plus assignment/assessment.

The syllabus for this unit is that of CHEM 2402 together with special Advanced material presented in the theory and/or practical programs. The lectures include the structure, bonding and properties of inorganic compounds and complexes; statistical thermodynamics and thermodynamics; amine chemistry, electrophilic substitution and the chemistry of aromatics, the chemistry of carbonyls, nucleophilic organometallic reagents and organic synthesis and synthetic methods.

CHEM 2913 Chemistry of Biological Molecules (Adv)

6 credit points. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, eight 1 hour tutorials per semester and five 4 hour practical sessions per semester. **Prerequisites:** CHEM (1902 or 1904 or 1909). 12 credit points of Junior Mathematics. Candidates for the BSc (Molecular Biology & Genetics) must achieve a Credit average in Junior units of study. Candidates for the BSc (Molecular Biotechnology) must achieve a Credit average in Junior units of study and a Distinction average in Junior Chemistry units of study. **Assessment:** One 2 hour exam plus assignment/assessment.

NB: This unit of study is available to students in the Bachelor of Science (Molecular Biology and Genetics) and the Bachelor of Science (Molecular Biotechnology) degree programs only.

This unit of study aims to give students an understanding of the chemistry underlying biological systems. Lectures will cover the mechanisms of organic chemical reactions and their application to biological systems, the molecular basis of spectroscopic techniques used in biological chemistry, analytical chemistry of biological systems, biopolymers and biocolloids and topics from inorganic chemistry of relevance to biological systems (metalloproteins, biomimicratisation, etc). There will also be 8 hours of compulsory tutorial workshops. Students must ensure that one complete afternoon from 1.00 pm to 5.00 pm, free from other commitments, is available for the practical work.

CHEM 2915 Molecular Reactivity & Spectroscopy SSP

6 credit points. Dr R J Clarke. **Session:** Semester 1. **Classes:** Three lectures per week, eleven 1 hour SSP seminars per semester, eight four-hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Assessment:** 1 x 2 hour exam plus assignment/assessment. *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.*

The lectures for this unit comprise the lectures for CHEM2401 and the Advanced practical program together with special SSP lectures on state-of-the-art topics in chemistry. The topics covered in 2004 were Artificial Molecular Machines, Composite Materials and Nanostructured Inorganic Materials.

CHEM 2916 Chemical Structure and Stability (SSP)

6 credit points. Dr R J Clarke. **Session:** Semester 2. **Classes:** Three lectures per week, eleven 1 hour SSP seminars per semester, eight four-hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101

or 1901 or 1903 or 1907 or 1908) and CHEM (1102 or 1902 or 1904 or 1909). 6 credit points of Junior Mathematics. **Assessment:** 1 x 2 hour exam plus assignment/assessment. *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.*

The syllabus for this unit is that of CHEM2402 together with special Advanced material presented in the theory and/or practical programs. In addition, special SSP lectures will be on state-of-the-art topics in chemistry. The topics covered in 2004 were Clusters - Molecules or Little Chunks of Solids?; Obtaining information concerning chemical reactivity and motion from absorption and emission spectra; and Colour and Constitution.

Chemistry Senior units of study

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 (i.e. 4 or 8 units of study) in a given semester. This restriction is necessary to accommodate the lab classes.
- 2) There are 3 Groups of units of study, indicated by the second number in the unit code, i.e. CHEMx1xx indicates Group 1, CHEMx2xx 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 (i.e. 4 or 8 units of study) in a given semester.
- 2) Advanced units of study are identified by a unit code of the form CHEMxx9x. 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, i.e. CHEMx1xx indicates Group 1, CHEMx2xx 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

7. Science units of study

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 CHEM3100 (or CHEM3190) and CHEM3209 (or CHEM3299). Students in this degree who wish to take the Senior Chemistry elective in Semester 2 must enrol in two of the following units: CHEM3105 (or CHEM3195), CHEM3107 (or CHEM3197) and CHEM3305 (or CHEM3395).

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 CHEM3105 (or CHEM3195), CHEM3205 (or CHEM3295), CHEM3306 (or CHEM3396) 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 CHEM3209 (or CHEM3299). 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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). For students in BSc (ENVI): CHEM (1102 or 1902) and ENVI2002. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3 or 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from each of Groups 2 and 3. Students taking one other senior chemistry unit have no restriction placed on their selection of senior chemistry units. For BSc (Environmental) students CHEM3209. **Assessment:** Exam (67%) and lab (33%). **NB:** From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916). For students in BSc (ENVI): CHEM (1102 or 1902) and ENVI2002.

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM (3105 and 3205 and 3306). **Assessment:** Exam (67%) and lab (33%). **NB:** From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI2002; for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002) and CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3205 and CHEM3306 and one other Semester 2 Senior Chemistry unit selected from any Group. For BSc (Environmental) students CHEM3305. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI 2002; for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102 and CHEM ((2311 and 2312) or 2403 or 2903 or 2913).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. **Assessment:** Exam (67%) and lab (33%). **NB:** From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. **Assessment:** Exam (67%) and lab (33%). *NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)*

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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 and the lanthanoids. 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, oxidation-reduction and electron-transfer reactions.

CHEM 3190 Chemistry of the Main Group (Adv)

3 credit points. **Session:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or 2311 and 2312 or 2903 or 2901) and CHEM (2302 or 2902). **Corequisites:** Either 1 or 3 or 5 or 7 other Senior Chemistry units of study. Students taking 3 or 5 or 7 other senior chemistry units are to select units from Groups 1-3 including at least one unit from each of Groups 2 and 3. Students taking one other senior chemistry unit have

no restriction placed on their selection of senior chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396. **Assessment:** exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for

7. Science units of study

BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002), a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM3295 and CHEM3396 and one other semester 2 Senior advanced Chemistry unit selected from any Group.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMed Sci and BSc(MBLG) candidates CHEM3195 and 3295 and 3396.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMed Sci and BSc(MBLG) candidates CHEM3195 and 3295 and 3396.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 2 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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 and the lanthanoids. 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, oxidation-reduction and electron-transfer reactions.

Group 2

CHEM 3200 Stereochemistry and Mechanisms

3 credit points. **Session:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002) and CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and CHEM 3306 and one other Semester 2 Senior Chemistry unit selected from any Group. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, and CHEM ((2311 and 2312) or 2403 or 2903 or 2913).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)

The ability to construct complex molecules from simple building blocks is a highly sought-after skill, relevant to a diverse range of disciplines. Whether the target compounds are going to cure a disease, provide the next leap forward in computer technology, be the basis for nano-scale molecular machines or lead to new insights in molecular biology, the synthetic chemist is powerless without the ability to synthesise the desired compounds. Synthesis is inescapable! This course will highlight important general synthetic strategies and develop a logical approach to planning a synthesis of a particular target structure, including commonly employed tactics for efficient synthesis. During the course, we will continually expand the arsenal of powerful synthetic methods available and exemplify their uses. We will study a range of reagents used to effect 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. We will focus on efficiency (how do you get the greatest amount of the desired compound in the fewest steps?), chemo- and regio-selectivity (how do you get only the reaction you want and only at the site of interest?) and stereochemistry (how do you control the absolute and relative stereochemistry of the products of various reactions?).

This course will focus on the strategy and tactics used in the synthesis of new molecular architectures. Throughout the course, new concepts and techniques will be illustrated by recent real life examples of synthesis conducted by pharmaceutical and biotechnology companies, and academic research labs around the world. Examples will be the synthesis of pharmaceuticals such as local anaesthetics, non-nucleoside anti-HIV-1 treatments and complex 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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENV2002, for BSc(MOBT) candidates MOBT2001, MOBT2002, CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. Students enrolled in BSc(MOBT) are to take CHEM3203. For BSc (Environmental) students CHEM3100. **Assessment:** exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BSc (Environmental) candidates CHEM (1102 or 1902)

7. Science units of study

and ENVI2002, for B.Sci. (MOBT) candidates MOBT2001, MOBT2002, CHEM ((2311 and 2312) or 2403 or 2903 or 2913)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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 3293 Bioorganic Chemistry (Adv)

3 credit points. **Session:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM(3195 and 3295 and 3396).. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903); for BSc (MOBT) candidates: MOBT (2001 and 2002), a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and CHEM 3396 and one other Semester 2 Senior Advanced Chemistry unit selected from any Group.. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM (3195 and 3295 and 3396).. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM(3195 and 3295 and 3396).. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

The ability to construct complex molecules from simple building blocks is a highly sought-after skill, relevant to a diverse range of disciplines. Whether the target compounds are going to cure a disease, provide the next leap forward in computer technology, be the basis for nano-scale molecular machines or lead to new insights in molecular biology, the synthetic chemist is powerless without the ability to synthesise the desired compounds. Synthesis is inescapable! This course will highlight important general synthetic strategies and develop a logical approach to planning a synthesis of a particular target structure, including commonly employed tactics for efficient synthesis. During the course, we will continually expand the arsenal of powerful synthetic methods available and exemplify their uses. We will study a range of reagents used to effect 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. We will focus on efficiency (how do you get the greatest amount of the desired compound in the fewest steps?), chemo- and regio-selectivity (how do you get only the reaction you want and only at the site of interest?) and stereochemistry (how do you control the absolute and relative stereochemistry of the products of various reactions?).

This course will focus on the strategy and tactics used in the synthesis of new molecular architectures. Throughout the course, new concepts and techniques will be illustrated by recent real life examples of synthesis conducted by pharmaceutical and biotechnology companies, and academic research labs around the world. Examples will be the synthesis of pharmaceuticals such as local anaesthetics, non-nucleoside anti-HIV-1 treatments and complex 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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 3. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. Not available to BSc (MOBT) students. **Assessment:** Exam (67%) and lab+advanced seminars (33%). *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)*

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab (33%). *NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)*

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

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 Principles of Spectroscopy

3 credit points. **Session:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)

The interaction of light and matter is fundamental. It forms the basis of nearly every observation we make about chemical phenomena from the simple (this substance is yellow) to the complicated (structure determination by 2D NMR spectroscopy). This course will treat all spectroscopies as a unified phenomenon, from long wavelengths (NMR) through to millimeter-wave rotational spectroscopy, infrared (vibrational) and optical (electronic) spectroscopy and on into the deep vacuum ultraviolet and X-ray regimes. This course equips the student with an armoury of knowledge facilitating a fundamental understanding and rationalization of all phenomena involving the interaction of radiation and matter.

CHEM 3305 Atmospheric and Photochemistry

3 credit points. **Session:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI 2002, for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306. For BSc (Environmental) candidates CHEM 3105. **Assessment:** Exam (67%) and lab (33%).

NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916), for BSc (Environmental) candidates CHEM (1102 or 1902) and ENVI 2002, for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002), and CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and one other Semester 2 Senior Chemistry unit selected from any Group.. **Assessment:** Exam (67%) and lab (33%). *NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, and CHEM ((2311 and 2312) or 2403 or 2903 or 2913).*

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306.. **Assessment:** Exam (67%) and lab (33%). *NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)*

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates Credit in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3105 and 3205 and 3306.. **Assessment:** Exam (67%) and lab (33%). *NB: From 2006 the prerequisites will be: CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: Credit in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates CHEM (2903 or 2913)*

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%). *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)*

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%). *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)*

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:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units.. **Assessment:** Exam (67%) and lab+advanced seminars (33%). *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)*

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 Principles of Spectroscopy (Adv)

3 credit points. **Session:** Semester 1. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2901 or 2903) and CHEM (2302 or 2902). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. **Assessment:** Exam (67%) and lab+advanced seminars (33%). *NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916)*

The interaction of light and matter is fundamental. It forms the basis of nearly every observation we make about chemical phenomena from the simple (this substance is yellow) to the complicated (structure determination by 2D NMR spectroscopy). This course will treat all spectroscopies as a unified phenomenon, from long wavelengths (NMR) through to millimeter-wave rotational spectroscopy, infrared (vibrational) and optical (electronic) spectroscopy and on into the deep vacuum ultraviolet and X-ray regimes. This course equips the student with an armoury of knowledge facilitating a fundamental understanding and rationalization of all phenomena involving the interaction of radiation and matter.

CHEM 3395 Atmospheric and Photochemistry (Adv)

3 credit points. **Session:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Dis-

inction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Pre-requisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM2903; for BSc (MOBT) candidates: MOBT (2001 and 2002), a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903). **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and one other Semester 2 Senior Advanced Chemistry unit selected from any Group. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916); for BMedSc candidates: a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913); for BSc (Molecular Biology and Genetics) candidates: a high WAM and a Distinction in CHEM (2903 or 2913); for BSc (MOBT) candidates: MOBT2102, a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913).

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Pre-requisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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:** Semester 2. **Classes:** One 1hr lecture & 2hr prac/wk. **Pre-requisites:** By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903) and CHEM (2302 or 2902), for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2903), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM2903. **Corequisites:** Either 1, 3, 5 or 7 other Senior Chemistry units of study. Students taking 3, 5 or 7 other Senior Chemistry units are to select units from Groups 1-3 including at least one unit from Groups 1 and 2. Students taking one other

Senior Chemistry unit have no restriction placed on their selection of Senior Chemistry units. For BMedSc and BSc (MBG) candidates CHEM 3195 and 3295 and 3396. **Assessment:** Exam (67%) and lab+advanced seminars (33%).

NB: Department permission required for enrolment. The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional on available places. From 2006 the prerequisites will be: By invitation. High WAM and a Distinction average in CHEM (2001 or 2101 or 2301 or (2311 and 2312) or 2401 or 2901 or 2903 or 2911 or 2913 or 2915) and CHEM (2302 or 2402 or 2902 or 2912 or 2916) for BMedSc candidates a high WAM and a Distinction in CHEM ((2311 and 2312) or 2403 or 2903 or 2913), for BSc (Molecular Biology and Genetics) candidates a high WAM and a Distinction in CHEM (2903 or 2913)

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).

Chemistry Honours

Dr C J Keprt

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 CIVL2201 - Structural Mechanics (6 credit points) and CIVL2230 - Introduction to Structural Concepts and Design (6 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 pre-requisites.

Double Degree

Some BSc graduates, who have passed all four of the above four units of study within the Department of Civil Engineering, may obtain a Bachelor of Engineering degree in Civil Engineering after an additional two years' study, following the award of the BSc. Students wishing to undertake this option must apply through UAC and compete on the basis of academic merit. Prospective students are advised to discuss their plans with the Department of Civil Engineering before enrolment. Further details regarding admission to the BE in Civil Engineering may be obtained from the Engineering Faculty Office in the Engineering Faculty Building.

Computational Science

Computational Science unit coordinator: Dr Mike Wheatland

Computational Science is an interdisciplinary major offered within the BSc. It focuses on scientific problem solving using computers. It covers the formulation and analysis of problems, the use of software packages and programs to solve these problems computationally, simulations and modelling, mathematical and numerical analysis, high performance super-computing, graphics, visualisation and programming.

Graduates with computational science skills are in strong and increasing demand in scientific research, industry, government and finance, particularly for their analytic and problem solving skills and their specific expertise in computing.

The major in Computational Science can include a wide range of electives to suit individual interests, selected from computationally oriented offerings from various departments and schools from across the Faculty. Table 1 lists the core Senior units and electives, as well as Junior options. COSC units are described below. For descriptions of other units see their separate entries under the contributing school or department.

COSC 1001 Computational Science in Matlab

3 credit points. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **AssumedKnowledge:** HSC Mathematics. **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:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **AssumedKnowledge:** HSC Mathematics. **Prerequisites:** UAI of at least 90, or COSC 1902, or a distinction or better in COSC 1002, SOFT (1001, 1002, 1901 or 1902). **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study is the advanced version of COSC 1001 and is complementary to COSC 1902. The subject matter is very similar but more challenging problems will be covered and some additional programming and visualisation techniques will be used.

Textbooks

Recommended reference:–

Hahn, B.D Essential MATLAB for Scientists & Engineers, 2nd Ed, Butterworth-Heinemann, Oxford, 2002.

COSC 1002 Computational Science in C

3 credit points. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **AssumedKnowledge:** HSC Mathematics. **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study focuses on scientific problem-solving using computers and is complementary to COSC 1001. Students will learn how to solve problems arising in the natural sciences and mathematics using core features of the language C, with a choice of problems from various areas of science at each stage. No previous knowledge of programming is assumed.

Textbooks

Recommended references:

Gottfried B. Schaum's Outlines Programming with C, McGraw-Hill 1996.

Press, Teukolsky, Vetterling and Flannery. Numerical Recipes in C, The Art of Scientific Computing, 2nd edn, Cambridge Press 1992.

COSC 1902 Computational Science in C (Adv)

3 credit points. **Session:** Semester 2. **Classes:** one 1hr lecture, one 2hr practical. **AssumedKnowledge:** HSC Mathematics. **Prerequisites:** UAI of at least 90, or COSC 1901, or a distinction or better in COSC 1001, SOFT (1001, 1002, 1901 or 1902). **Assessment:** Two assignments (20%), practical work, including practical exam (40%), theory exam (40%).

This unit of study is the advanced version of COSC1002 and is complementary to COSC1901. The subject matter is very similar, but more challenging problems will be covered and some additional programming techniques will be used.

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 3001 Scientific Computing

4 credit points. **Session:** Semester 1. **Classes:** 2 lectures & a two hour practical/week. **AssumedKnowledge:** Programming experience in MATLAB. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 16 credit points of Intermediate units in Science subject areas. **Assessment:** Assignment work, practical exam, written exam.

This unit of study provides a senior-level treatment of scientific problem solving using computers. Students will understand and apply a wide range of numerical schemes for solving ordinary and partial differential equations. Linear algebra is used to provide detailed insight into stability analysis, relaxation methods, and implicit integration. A variety of scientific problems are considered, including planetary motion, population demographics, neutron criticality, traffic flow and quantum mechanics. All coding is performed with MATLAB, and basic programming experience is assumed.

COSC 3901 Scientific Computing (Advanced)

4 credit points. **Session:** Semester 1. **Classes:** 2 lects & two hour practical/week. **AssumedKnowledge:** Programming experience in MATLAB. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics and 16 credit points of Intermediate units in Science subject areas with a Credit average. **Assessment:** Assignment work, practical exam, written exam.

This unit is the advanced version of COSC3001. The subject matter is very similar, but more challenging problems will be covered

COSC 3002 Parallel Computing and Visualisation

4 credit points. **Session:** Semester 2. **Classes:** 2 lects & a two hour practical/week. **AssumedKnowledge:** Programming experience in C and MATLAB or equivalent. **Prerequisites:** 12 credit points from the Science subject areas of Junior Mathematics and Statistics and 16 credit points of Intermediate units in Science subject areas. **Assessment:** Assignment work, practical exam, written exam.

The first half of the course considers Parallel Computing on distributed and shared memory architectures. Students learn the concepts of distributed-memory programming using the Message Passing Interface (MPI), while shared-memory programming is presented using OpenMP. Concepts covered include scalability, communication overheads, deadlocks, domain decomposition and incremental parallelism. Basic programming ability in Fortran or C (or equivalent) is assumed. The second half of this course considers Scientific Visualisation as a tool for analysing, interpreting and communicating multi-dimensional numerical data. Students learn the principles and practice of Scientific Visualisation in the context of OpenDX, the open-source Data Explorer package developed by IBM. No previous experience is required, and the object-oriented visual programming environment is taught in the laboratory sessions.

COSC 3902 Parallel Computing & Visualisation (Adv)

4 credit points. **Session:** Semester 2. **Classes:** 2 lects & a two hour practical/week. **AssumedKnowledge:** Programming experience in C and MATLAB or equivalent. **Prerequisites:** 12 credit points from the Science subject areas of Junior Mathematics and Statistics and 16 credit points, average grade Credit, of Intermediate units in Science subject areas. **Assessment:** Assignment work, practical exam, written exam.

This unit is the advanced version of COSC3002. The subject matter is very similar, but more challenging problems will be covered..

COSC 3701 Computational Science Project

8 credit points. Dr Mike Wheatland. **Session:** Semester 2. **Classes:** 1hr meeting with supervisor and 7hr project work/wk; 3-4 introductory lectures given by supervisor. **AssumedKnowledge:** Able to program in a standard language. **Prerequisites:** 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 (i.e., a university researcher with an interest in Computational Science outside bioinformatics - see BINF3001 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 (i.e., the academics responsible for delivering the unit of study) of the IT company, and are then presented to a small group of employees (i.e., the students), who design and implement a plan of how to write and deliver the software.

Environmental Science**Bachelor of Science (Environmental) Junior units of study****ENVI 1002 Geomorphic Environments**

6 credit points. Dr Stephen Gale. **Session:** Semester 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.

This unit of study introduces Earth's geophysical environments, from the origin and development of the planet through to its evolution and structure. Following this, the unit investigates the evolution of the physical environment, with particular examination given to the hydrosphere and landforms.

Bachelor of Science (Environmental) Intermediate units of study
You must complete both Environmental Science Intermediate units of study (ENVI 2111 and ENVI 2112).

ENVI 2111 Conservation Biology and Applied Ecology

6 credit points. Dr Dieter Hochuli. **Session:** Semester 1. **Classes:** 3 lec and 2 prac/week. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Biology. **Assessment:** Essays, tute papers, exam.

This topic examines the role of conservation biology and applied ecology in environmental science, examining pattern and process in natural systems and evaluating how these are being affected by pervasive anthropogenic impacts. Focusing on the conservation, assessment of impacts and the restoration of natural systems, we consider the range of ecological issues environmental scientists must address. We examine the extent of environmental problems; derive explanations of why and how they are occurring and address management options for resolving them. We will derive general principles for these by addressing case studies, chosen from Australian examples when possible. The aim of this unit is for you to understand the processes that go into solving environmental problems from an ecological perspective and how to identify management options.

ENVI 2112 Atmospheric Processes and Climate

6 credit points. Prof Peter Davies, Dr Chris Dey. **Session:** Semester 2. **Classes:** 3 lec and 2 prac/week. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Chemistry or Physics. **Assessment:** Assignments, tute papers, exam.

NB: This unit of study is available to students in the Bachelor of Science (Environmental) only.

This unit of study investigates the physical and chemical characteristics of our atmosphere, as well as the natural processes that occur within it and how these contribute to the climate we live in. Topics such as atmospheric structure, photochemical processes, and weather will be examined. The effects of ocean circulation are investigated, particularly examining the ocean's importance as a source/sink for atmospheric constituents and as a heat regulator. The impact of glaciation is also examined, including sources, quantity, magnitude of threat, and the potential impact to our climate, are then explored. Finally, the unit examines issues surrounding climate change and the modelling of these changes.

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. Dr John Dee. **Session:** Semester 1. **Classes:** 8 lec/wk; 3 field-units. **Prerequisites:** 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. Dr John Dee. **Session:** Semester 2. **Classes:** 8 lec & 4 prac/tut/wk. **Prerequisites:** 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:** Semester 1. **Classes:** 3 lec/wk. **Prerequisites:** Entry by permission of Course Coordinator only. **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:** Semester 2. **Classes:** 3 lec/wk. **Prerequisites:** Entry by permission of Course Coordinator only. **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 Optimisation and Financial Mathematics (MATH2070/2970) and Financial Mathematics 2 (MATH3015/3933) are the backbone of the program and introduce the student to important financial concepts within a mathematical and statistical framework. The core mathematics and statistics units provide the technical base that is required by a quantitative analyst, while the elective units offer the student increased flexibility and additional opportunities to develop related skills.

Students completing the program at the Advanced Level may continue into Fourth Year Honours where a number of further Financial Mathematics and Statistics units are on offer. It is envisaged that students completing the Honours program will not only be highly trained in quantitative finance, but will also be well prepared for active research in the field.

Students should refer to Table 1 for an enrolment guide and to entries under the contributing Schools for unit of study descriptions.

Geosciences

The School of Geosciences 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

7. Science 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:** Semester 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.

GEOG 1002 Human Environments

6 credit points. Prof. Connell & Dr W Pritchard. **Session:** Semester 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

Six 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 - GEOG 2311 and 2321

Environmental - GEOG 2411 and 2421

Human - GEOG 2511 and 2521

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 2311 Landscape Processes

6 credit points. A/Prof Deirdre Dragovich, Professor Andy Short. **Session:** Semester 1. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Prerequisites:** 36cp of Junior units of study, including GEOG1001 or ENVI (1001 or 1002), or GEOL (1001 or 1002). Students enrolled in the Bachelor of Resource Economics should have 36cp from Junior units of

study in Biology (or Land and Water Science), Chemistry and Mathematics. **Assessment:** One 2hr exam; prac reports; 2000w assignment.

This unit of study is concerned with the morphology and evolution of landscapes and the processes that have formed them. Attention will be directed towards slopes, the basic units of landscapes, and the processes leading to slope development and change in different environments. Landscape features will be examined in relation to evidence of past and present process regimes, especially the way in which these regimes are influenced by climate. Field and practical work will involve interpreting landscapes in the Sydney Region. Other geomorphological environments to be considered are glacial landscapes, periglacial landscapes, karst landscapes, and aeolian (desert) landscapes.

GEOG 2321 Fluvial and Groundwater Geomorphology

6 credit points. Dr Melissa Neave (School of Geosciences), Dr Willem Vervoort (Faculty of Agriculture, Food and Natural Resources). **Session:** Semester 2. **Classes:** 2 lec & 1 2 or 3 hour prac per week. **Prerequisites:** GEOG(2311 or 2001) or 36 credit points of Junior study including GEOG1001 or ENVI (1001 or 1002) or GEOL (1001 or 1002 or 1501). Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology (or Land and Water Science), Chemistry and Mathematics. Students in the Bachelor of Land and Water Science should have ENVI1001, 12 credit points of Chemistry, 6 credit points of Biology, BIOM1002. **Assessment:** One 2 hr exam, one quiz, one field report, practical exercises.

This unit of study provides an introduction to the fundamentals of fluvial geomorphology (the study of surface water as an agent of landscape change) and groundwater hydrology. The fluvial geomorphology section of the unit will describe the movement of water in stream channels and investigate the landscape change associated with that movement. Topics to be covered will include open channel flow hydraulics, sediment transport processes and stream channel morphology. Practical work will focus on the collection and analysis of field data. The quantity and quality of the groundwater resources are closely linked to geology and fluvial geomorphology. The groundwater section of this unit is based around four common groundwater issues: contamination, extraction, dryland salinity and groundwater-surface water interaction. In the practical component, common groundwater computer models such as FLOWTUBE and MODFLOW will be used to further explore these problems.

Textbooks

Recommended Textbooks: Fetter (2001) & Knighton (1998)

GEOG 2411 Environmental Change and Human Response

6 credit points. A/Prof Deirdre Dragovich, Dr Eleanor Bruce. **Session:** Semester 1. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Prerequisites:** 36 cp of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or GEOL (1001 or 1002). **Assessment:** One 2hr exam; 1500w prac report; 1500w assignment.

Environmental change occurs at time scales from seconds to centuries or longer, from the sudden and catastrophic to gradual transformations barely noticeable at human time scales. Some kinds of environmental change are caused largely by humans, but in other cases humans are unable to control the forces of nature. Environmental change is explored in these different categories, including land degradation and desertification, and salinity; and how humans are both implicated in these problems and respond to them. Included in the unit of study will be a variety of techniques for the analysis of environmental problems, especially the use of geographic information systems (GIS) as a way to organise, integrate and interpret spatial information. We will also consider some fundamental questions that emerge from the use of GIS techniques in spatial analysis including the representation of spatial features, handling data uncertainty and decision support.

GEOG 2421 Resource and Environmental Management

6 credit points. A/Prof Philip Hirsch, Dr Philip McManus. **Session:** Semester 2. **Classes:** (2 lec, 1 tut, 1 prac)/wk; fieldwork. **Prerequisites:** 36cp of Junior Units of Study, including GEOG (1001 or 1002) or ENVI (1001 or 1002). **Assessment:** One 2hr exam, 2000w essay, field report, tutorial paper, prac report.

This unit of study forms an intermediate level treatment of environmental geography and natural resource management. It is designed to evaluate human interaction with the biophysical environment and use of the earth's surface and its resources. Emphasis is upon human impacts on environments through social, economic and political processes and through deliberate decision making and management. Policy responses are considered at a range of scales. The unit of study examines the nature and characteristics of selected resource processes with reference to Australian and other national and international contexts, and, on a more global and regional scale, focuses on the changing relationship between people and environments in tropical Asia and the Pacific. A field trip is integral to the unit of study.

GEOG 2511 Economic and Political Geography

6 credit points. Dr Bill Pritchard. **Session:** Semester 1. **Classes:** (2 lec, 2 prac)/wk. **Prerequisites:** 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002). **Assessment:** One 2 hr exam; 2000w essay, tutorial papers, prac reports.

In this unit of study, students will be introduced to questions and debates about spatial character of economic and political activities. This includes the issues of why economic development is uneven between places and regions, how entities such as large corporations spatially organize themselves in order to further their goals, and how to assess the impacts of globalisation. Lecture and practical material will be organized in such a way that students are encouraged to connect theories with contemporary 'real world' economic and political issues. These include debates on regional development planning, industrial clustering, the role of the global financial sector, trade liberalization and the World Trade Organisation. As a component of the Human Geography stream, this unit of study does not require assumed knowledge of economics. Rather, it uses the insights and perspectives of human geography to critically debate regional, national and global economic issues.

Textbooks

Recommended: Dicken, P. (2003) *Global Shift* (SAGE, London)

GEOG 2521 Urban and Cultural Geography

6 credit points. Prof John Connell, Dr Kurt Iveson. **Session:** Semester 2. **Classes:** (2 lec, 2 prac)/wk. **Prerequisites:** 36 credit points of Junior units of study, including GEOG (1001 or 1002) or ENVI (1001 or 1002) or ECOP (1001 or 1002). **Assessment:** One 2 hr exam, 2000w essay, prac reports.

This unit of study focuses on the construction of urban and cultural processes in developed countries, with particular attention to Australia. There is an emphasis on the ways that social constructions such as gender, class and ethnicity are manifested spatially. Attention is also given to the spatial character of phenomena such as religion, music, migration and creativity. At the completion of this unit of study, students will possess an awareness of key geographical debates in these fields, as well as a practical understanding of the social and cultural processes which come together to create contemporary urban societies.

Geography Senior units of study

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 -- GEOG 3002

Environmental -- GEOG 3101 and 3521

Human -- GEOG 3511 and 3522

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. A/Prof D Dragovich, Dr S Gale. **Session:** Semester 2. **Classes:** (3 lec, 6 prac)/wk, fieldwork. **Prerequisites:** GEOG (2001 or 2002 or 2101 or 2302 or 2303). **Assessment:** One 2hr exam, two 1500w essays, prac and field reports. **NB:** From 2006 the prerequisites will be: 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography Units of Study.

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:** Semester 1. **Classes:** (3 lec, 1 tut, 8 prac)/wk, fieldwork. **Prerequisites:** GEOG (2001 or 2002 or 2101 or 2302 or 2303) and GEOG (2102 or 2201 or 2202). **Assessment:** One 2hr exam, two 1500w essays. **NB:** From 2006 the prerequisites will be: 24 credit points of Intermediate Units of Study including 6 credit points of Intermediate Geography Units of Study.

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 J Connell. **Session:** S1 Intensive. **Classes:** 28 lectures and 100 hours of tuts, prac and fieldwork. **Prerequisites:** GEOG (2101 or 2102 or 2201 or 2202). **Assessment:** One 2hr exam, two 2000w essays, tut papers, prac and fieldwork reports.

NB: From 2006 the prerequisites will be: 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study.

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 3511 Spatial Change in Australian Society

6 credit points. Dr Bill Pritchard. **Session:** Semester 1. **Classes:** 2 lec + 2 prac/tut per week. **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Assessment:** One 2 hr exam; 2000w essay, tutorial papers, prac reports.

The aim of this unit of study is to provide students with the conceptual, analytical and technical skills to examine key debates relating to changing spatial patterns in Australia's population and economy. Through this focus, the unit will examine social and economic sustainability, including topics such as the 'triple bottom line', social capital, the impacts of de-industrialisation, 'new economies' of the service sector, Indigenous rights, and the economic and social impacts of large resource developments. Practical classes will make extensive use of Geographic Information Systems (GIS) in order to access and interpret data from the 2001 Population Census, however no pre-existing knowledge about GIS is required for this unit.

Textbooks

Beer, A., Maude, A. & Pritchard, B. (2003) *Developing Australia's Regions* (UNSW Press, Sydney).

GEOG 3521 Sustainable Cities

6 credit points. Dr Phil McManus. **Session:** Semester 2. **Classes:** 2 lec + 2 prac/tut per week. **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Assessment:** One 2 hr exam; 2000w essay, tutorial papers, prac reports.

This unit of study involves an integrated series of lectures, practicals and field visits. It develops themes introduced in Intermediate units in Geography relating to sustainability, focusing on the ways we manage urban regions. This involves discussion of topics including utopian visions for cities, urban history, ecological footprint analysis, bioregionalism, transport options, urban form and urban policy with reference to sustainable futures.

GEOG 3522 Globalisation and Regions in Transition

6 credit points. Assoc Prof Phil Hirsch. **Session:** Semester 2. **Classes:** 2 lec + 1 tut and 2-hr prac/wk (8 only). **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Assessment:** One 2 hr exam; e-Sim assignments, tutorial papers.

This unit of study examines globalisation and its specific place-based manifestations. The unit takes an engaged approach to working between theoretical debates and empirical evidence. Issues covered

7. Science units of study

include the role of globalisation as both an agent of change and a point of challenge; contestation over the future of the nation state; interplays between the global and the local; and the roles of geographical scale as an organizing vehicle for social and economic processes. The unit emphasises ways in which these issues are manifested both in Australia and in the Asia-Pacific. A defining feature of Globalisation and Regions in Transition is its delivery in part through an experiential web-based electronic simulation / role-play exercise (e-Sim), employing an award-winning teaching approach co-developed by the School of Geosciences. The e-Sim is run over a period of six weeks, forms a major part of the assessment and is run in parallel with lectures and tutorials.

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 (Co-ordinator). **Session:** Semester 1. **Classes:** 3 lec & prac or tut/wk. **Assumed Knowledge:** No previous knowledge of Geology assumed. **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 (Co-ordinator). **Session:** Semester 2. **Classes:** 3 lec & prac or tut/wk. **Assumed Knowledge:** No previous knowledge of Geology assumed. **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.

GEOL 1902 Earth Materials and Resources (Advanced)

6 credit points. Dr Geoff Clarke. **Session:** Semester 2. **Classes:** (3 lec, 3 pracs)/wk, fieldwork. **Assumed Knowledge:** No previous knowledge of Geology assumed. **Assessment:** One 2 hour exam, prac reports.

NB: Department permission required for enrolment. Departmental permission is required for enrolment; a UAI above 93 or a Distinction in GEOL1001 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOL1002 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the

basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

Geology and Geophysics Intermediate units of study

Intermediate 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 six Intermediate units of study: GEOL 2111, GEOL 2911 and GEOL 2112 in the February Semester and GEOL 2123, GEOL 2923 and GEOL 2124 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 GEOL 2111/2911 and 2123 are required to attend compulsory field excursions that are held within the semester.

GEOL 2111 Volcanic Hazards and Solutions

6 credit points. Dr Derek Wyman. **Session:** Semester 1. **Classes:** 2 lectures, 1 tutorial and 2-hour pracs for first five weeks; 2 lectures and 2-hour prac for remaining weeks. **Prerequisites:** GEOL1002 or ENVI1001 or by special permission if the student has completed (the HSC course in Earth and Environmental Science and 24 credit points of Junior Science units of study). **Assessment:** One 2 hour exam, prac reports, group presentation.

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 main topic covered in the unit is the strategies used to identify, predict and mitigate the primary and secondary hazards associated with volcanism. 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. The unit includes a two- to three-day field trip to study volcanic rocks in NSW.

Textbooks

Printed notes are available.

GEOL 2112 Environmental Geology and Climate Change

6 credit points. Dr Gavin Birch, Prof Peter Davies. **Session:** Semester 1. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Prerequisites:** 24 credit points of Science units of study. **Assessment:** One 2 hr exam, prac reports, fieldwork report.

The Earth Sciences provide an essential framework for understanding environmental changes that arise from short-term and long-term geological processes. This unit of study introduces students to important geological phenomena that can impact detrimentally on society and the environment. As the welfare of much of the world's population is sensitive to climate change, a major component of the course will include an examination of global climate change over a variety of timescales ranging from millions of years to tens of years. The record of recent climate change and projections of future climate change will be reviewed in the context of their natural and human causes.

GEOL 2123 Geological Methods

6 credit points. A/Prof Geoffrey Clarke. **Session:** Semester 2. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Assumed Knowledge:** Ability to identify common rocks and rock-forming minerals; ability to read and interpret simple geological maps and predict 3D relationships from a map; knowledge of the geological time scale; cognizance of the main chemical and physical processes involved in: mineral formation; modification of the interior of the Earth; common surface processes and sedimentary environments; volcanoes; and metamorphism. **Prerequisites:** GEOL (2111 or 1501) and 18 credit points of Engineering or Science units of study. **Assessment:** One 2 hour exam, prac reports, field report.

This unit of study further develops the ability of students to perform geological investigations and expands their knowledge of the range of techniques available to collect and interpret geological and geophysical data. Students will enhance their understanding of some common geological environments and the basic physical, chemical and biological processes that form sedimentary rocks, metamorphic rocks, and natural resources. This knowledge and understanding will then be applied to developing three-dimensional geological models of particular sites and solving geological problems in the field and laboratory. The unit will include a five-day excursion to the Canberra area.

GEOL 2124 Fossils and Time

6 credit points. A/Prof Dietmar Müller, Dr Julie Dickinson. **Session:** Semester 2. **Classes:** (2 lec, 2hr prac)/wk. **Prerequisites:** 24 credit points of Junior Science units of study. **Assessment:** One 2 hour exam, prac reports, group presentation.

This palaeontology and stratigraphy unit of study is aimed at geoscientists, archaeologists, biologists, marine and environmental scientists who use fossils or stratigraphic data to determine ages, environments or evolutionary lineages. It provides an overview of fossil biodiversity, concentrating on invertebrate animals but also covering vertebrates, plants and microorganisms, with the emphasis on those groups that are most environmentally or stratigraphically useful. It also considers the main methods of stratigraphic correlation and age determination, concentrating on litho- and bio-stratigraphy but also covering the more modern techniques of chemo-, magneto- and sequence-stratigraphy as well as radiometric age dating.

Textbooks

Printed notes are available.

GEOL 2911 Volcanic Hazards & Solutions (Advanced)

6 credit points. Dr Derek Wyman. **Session:** Semester 1. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Prerequisites:** GEOL (1002 or 1902) or ENV11001. **Assessment:** One 2 hour exam, prac reports, group presentation.

NB: Department permission required for enrolment. A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOL2111 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

GEOL 2923 Geological Methods (Advanced)

6 credit points. Dr Geoff Clarke. **Session:** Semester 2. **Classes:** (2 lec, 2 prac)/wk, fieldwork. **Prerequisites:** GEOL2111 or GEOL2911. **Assessment:** One 2 hour exam, prac and field reports, group presentation.

NB: Department permission required for enrolment. A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOL2123 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

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 units of study in Geology or Geophysics Honours.

GEOS 3003 Structural Geology: The Dynamic Crust

6 credit points. Dr Patrice Rey. **Session:** Semester 1a. **Classes:** (12 hrs of lecs & pracs)/wk. **Prerequisites:** GEOL2002 or CIVL2409. **Assessment:** 2 hr theory exams, class work and E-report.

NB: From 2006 the prerequisites will be: GEOL (2002 or 2123) or CIVL2409

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:** Semester 2. **Classes:** (12 hrs lecs, pracs)/wk. **Prerequisites:** 16 credit points of Intermediate Science units of study or CIVL2409. **Assessment:** 2 hr theory exams, computer class work.

This unit examines the use of computerised geophysical techniques to map high value sites. Sites of interest range from oil fields through mine sites to archaeological digs. Data sources include micro-gravity surveying, magnetism and aero-magnetism; radiometry, short-and long-range surveillance and tracking. The course is designed around the reality that while people, as much as data acquisition and reduction technology have influenced modern geophysics, recently, major strides have been made in digital data acquisition and reduction. Lectures deal with the creation, inversion and application of 2D and 3D potential and wave fields. Lab classes extend skills in computer aided image processing.

GEOS 3005 Regolith-Sediment Geochemistry

6 credit points. Dr Gavin Birch. **Session:** Semester 1, Semester 2. **Classes:** (12 hrs lecs, pracs)/wk. **Prerequisites:** 16 credit points of Intermediate Science units of study or CIVL2409. **Assessment:** 2 hr theory exams, class work.

NB: Department permission required for enrolment.

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 & Spatial Data Analysis

6 credit points. Dr Derek Wyman. **Session:** Semester 2b. **Classes:** (12 hrs lecs, pracs)/wk, field excursion. **Prerequisites:** 16 credit points of Intermediate Science units of study or CIVL2409. **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:** Semester 1b. **Classes:** (12 hrs of lecs, pracs)/wk. **Prerequisites:** 16 credit points of Intermediate Science units of study or CIVL2409. **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, A/Prof Dietmar Müller. **Session:** Semester 2a. **Classes:** (weeks 1-7) 14 days of field work. **Prerequisites:** GEOL2002. **Assessment:** The field work will be assessed by written reports (up to 30 pages in total) and field exercises.

NB: From 2006 the prerequisites will be: GEOL (2002 or 2123) or CIVL2409

This unit is considered an essential component all Geology and Geophysics majors. All students will undertake a range of exercises, but concentrate on aspects that emphasise their chosen major: (1) field mapping and the analysis of geological objects in the field, in weakly to complexly deformed sedimentary and volcanic sequences; (2) field investigations of mineral deposits and their relationships to host rocks; and (3) the practical application of magnetic and electrical methods commonly employed in the search for mineral deposits. The field course complements other subject areas in Geology & Geophysics and will give students experience in the field identification of rocks and minerals, regional geology, stratigraphy, structure and rock relationships. Students will be required to pay the cost of hostel-style accommodation during field work, which may involve camping.

GEOS 3004 Geophysics, Imaging, Oil/Ore Prod (Adv)

6 credit points. Prof Iain Mason. **Session:** Semester 2a. **Classes:** 12 hours per week lectures, practical, computer-based exercises. **Prerequisites:** 24 credit points of Intermediate Science Units, or GEOL2923 or CIVL2409.

NB: Department permission required for enrolment. A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOS3004 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in the week prior to the field camp which is usually in the break between semester 1 and 2. This unit of study may be taken as part of the BSc (Advanced).

GEOS 3906 Mineral Deposits & Spatial Data Advanced

6 credit points. Dr Derek Wyman. **Session:** Semester 2b. **Classes:** 12 hours lec/prac/fieldwork. **Prerequisites:** GEOL (2002 or 2123 or 2923) or CIVL2409. **Assessment:** One 2 hour exam, prac reports, group presentation.

NB: Department permission required for enrolment. A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOS3006 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

GEOS 3907 Remote Sensing: Imaging the Earth (Adv)

6 credit points. Dr Geoff Clarke. **Session:** Semester 1b. **Classes:** (12 hrs lecs, pracs)/wk. **Assumed Knowledge:** GEOL (2001 or 2202). **Prerequisites:** Distinction average in 16 credit points of Intermediate Science subjects or CIVL2409. **Assessment:** One 2-hour exam, prac. reports, and assignments.

This unit has the same objectives as GEOS3007 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester. This unit of study may be taken as part of the BSc (Advanced).

GEOS 3908 Field Geology and Geophysics (Advanced)

6 credit points. Dr Geoff Clarke. **Session:** S2 Intensive. **Classes:** 14 days of fieldwork. **Prerequisites:** GEOL (2002 or 2123 or 2923) or CIVL2409. **Assessment:** Written reports and field exercises.

NB: Department permission required for enrolment. A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.

This unit has the same objectives as GEOS3008 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week prior to the field camp which is usually in the break between semester 1 and 2. This unit of study may be taken as part of the BSc (Advanced).

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.

261 History and Philosophy of Science**HPSC 1000 Bioethics**

6 credit points. Dr Rachel Ankeny. **Session:** Semester 1. **Classes:** (3 lec, 1 tut)/wk. **Assessment:** Short essays, tutorial work, tests.

NB: This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.

Major issues in the ethics of biology and medicine, from gene warfare to Dolly the sheep. This unit will be introductory, but a small number of topical issues will be studied in depth. No scientific background beyond School Certificate level will be assumed.

Textbooks
course reader

HPSC 2100 The Birth of Modern Science

6 credit points. Dr Ofer Gal. **Session:** Semester 1. **Classes:** (3 lec, 1 tut)/wk. **Prerequisites:** 24 credit points of Junior units of study. **Assessment:** Short essays, tutorial work, tests.

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.

Course reader

HPSC 2101 What Is This Thing Called Science?

6 credit points. Dr Rachel Ankeny and HPS staff. **Session:** Semester 2. **Classes:** (3 lec, 1 tut)/wk. **Prerequisites:** 24 credit points of Junior units of study. **Assessment:** Short essays, tutorial work, tests.

This unit 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
TBA, course reader

HPSC 2900 The Birth of Modern Science (Advanced)

6 credit points. Dr Ofer Gal. **Session:** Semester 1. **Classes:** (3 lec, 1 tut)/wk. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average. **Assessment:** Short essays, tutorial work, tests.

NB: Enrolment in this unit is limited, and will be on a first-come, first-served basis.

The topics covered in 'The Birth of Modern Science' will be covered in more depth, in a special tutorial set aside for advanced students.

Textbooks
Henry, J. The Scientific Revolution and the Origins of Modern Science.

Course reader

HPSC 2901 What Is This Thing Called Science? (Adv)

6 credit points. Dr Rachel Ankeny and HPS staff. **Session:** Semester 2. **Classes:** (3 lec, 1 tut)/wk. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average. **Assessment:** Short essays, tutorial work, tests.

NB: Enrolment in this unit is limited and will be on a first-come, first-served basis.

The topics covered in 'What is This Thing Called Science?' will be covered in more depth, in a special tutorial set aside for advanced students.

Textbooks
TBA, 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 or HPS staff. **Session:** Semester 2. **Classes:** (2 lec, 2 tut)/wk. **AssumedKnowledge:** HPSC (2100 and 2002) or HPSC (2100 and 2101).

Prerequisites: 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.

NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units.

Examines some of the major episodes in the social and scientific history of the biological and biomedical sciences.

Textbooks
Course reader

HPSC 3015 History and Philosophy of Physics

6 credit points. Dr David Miller. **Session:** Semester 1. **Classes:** 2 lec & 2 tut/wk and individual student consultation as required. **AssumedKnowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002). **Prerequisites:** 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, tests.

NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units

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 Mathematical Sciences: HPS

6 credit points. Dr Ofer Gal. **Session:** Semester 2. **Classes:** 2 lec & 2 tut/wk. Individual student consultation as required. **AssumedKnowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002). **Prerequisites:** 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, short essays, tutorial participation.

NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units

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. Dr Rachel Ankeny or HPS staff. **Session:** Semester 2. **Classes:** (2 lec, 2 tut)/wk. **AssumedKnowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002).

Prerequisites: 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:** Essays, take home tests, tutorial assessment.

NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units

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. Dr Hans Pols or HPS staff. **Session:** Semester 1. **Classes:** (2 lec, 2 tut)/wk. **AssumedKnowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002).

Prerequisites: (HPSC2001 and HPSC2002) or (a Credit or better in either HPSC2001 or HPSC2002 and at least 24 credit points of Intermediate or Senior units of study). **Assessment:** Short essays, tutorial work, presentation.

NB: This unit is a requirement for HPS majors. From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units

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 3023 History of the Human Sciences

6 credit points. Dr Hans Pols. **Session:** Semester 1. **Classes:** (2 lec, 2 tut)/wk. **AssumedKnowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101).

Prerequisites: (HPSC2001 and HPSC2002) or (a Credit or better in either HPSC2001 or HPSC2002 and at least 24 credit points of Intermediate or Senior units of study). **Assessment:** Take-home essays (4000 words), take-home tests, tutorial work.

NB: From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units

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 3024 Science and Ethics

6 credit points. Dr Michael Selgelid. **Session:** Semester 1. **Classes:** (2 lec, 2 tut)/wk. **Prerequisites:** At least 24 credit points of Intermediate or Senior units of study. **Assessment:** Short essays, tutorial work, 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 3102 History of the Biomedical Sciences

12 credit points. Dr Hans Pols & HPS staff. **Session:** Semester 1, Semester 2. **Classes:** 4 lec & 4 tut/wk. **Prerequisites:** HPSC (2001 and 2002). **Assessment:** Short essays, tutorial work, take-home tests.

NB: Available to Bachelor of Medical Science students only. From 2006 the prerequisites will be: at least 8 credit points of Intermediate HPSC units or Credit or better in at least 4 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units

7. Science units of study

An introduction to some of the major episodes in the social and scientific history of biological and medical science.

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 4201 HPS Research Project 1, HPSC 4202 HPS Research Project 2, HPSC 4203 HPS Research Project 3 and HPSC 4204 HPS Research Project 4. In their final semester all students must also enrol in the zero credit point non assessable unit HPSC 4999.

Students intending to proceed to Honours or to enrol in the Graduate Diploma in Science (HPS) are strongly advised to contact the Unit towards the end of the previous academic year to discuss thesis topic and supervision.

Note: Honours level (4000) Units of Study are available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science).

HPSC 4101 Philosophy of Science

6 credit points. Jason Grossman. **Session:** Semester 1. **Classes:** One 2hr sem/wk, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** 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:** Semester 1, Semester 2. **Classes:** One 2hr sem/wk. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar participation.

NB: Department permission required for enrolment.

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 Hans Pols. **Session:** Semester 2. **Classes:** One 2hr sem/wk, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** 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:** Semester 1, Semester 2. **Classes:** One 2hr sem/wk, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** 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 Rachel Ankeny. **Session:** Semester 1. **Classes:** One 2hr sem/wk, individual consultation. **Prerequisites:** Available only to students admitted to HPS

Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** 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 4108 Core topics: History & Philosophy of Sci

6 credit points. HPS staff. **Session:** Winter, Semester 1, Semester 2. **Classes:** 1 sem/wk. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar presentations, seminar participation mark.

An intensive reading course, supported by discussion seminars, in the main figures and events of the 'Scientific Revolution' of the 16th to 18th centuries, in the leading historiographic interpretations of the scientific revolution and in the use of episodes in the scientific revolution as evidence for the philosophies of science of Karl Popper, Imre Lakatos, Thomas Kuhn and contemporary authors.

Textbooks

Course reader

HPSC 4201 HPS Research Project 1

6 credit points. HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental permission required for enrolment

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC 4202 HPS Research Project 2

6 credit points. HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental permission required for enrolment

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC 4203 HPS Research Project 3

6 credit points. HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental permission required for enrolment

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC 4204 HPS Research Project 4

6 credit points. HPS Staff. **Session:** Semester 1, Semester 2. **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Assumed Knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101). **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words.

NB: Department permission required for enrolment. Departmental permission required for enrolment

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

HPSC 4999 History & Philosophy of Science Honours

0 credit points. **Session:** Semester 1, Semester 2. **Prerequisites:** Available only to students admitted to HPS Honours.

NB: Department permission required for enrolment.

All students in History and Philosophy of Science Honours must enrol in this non-assessable unit of study in their final semester.

Immunobiology Major

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 <http://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, Biology, Cell Pathology, Molecular Biology and Genetics, Microbiology 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 co-ordinators before selecting concurrent study units and should note that a unit of study taken as part of the Immunobiology Major cannot count towards a major in another Science discipline area.

Immunology

The Immunology Unit of the Department of Medicine offers Introductory Immunology (IMMU 2101) 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 can be obtained from Dr Helen Briscoe (phone (02) 9351 7308; email hbriscoe@med.usyd.edu.au) and <http://www.med.usyd.edu.au/medicine/immunology/>.

IMMU 2101 Introductory Immunology

6 credit points. Dr Helen Briscoe. **Session:** Semester 1. **Classes:** 2x 1hr lectures/week, 3 hr tutorial or practical or independent study/week. **Assumed Knowledge:** Junior Biology and Junior Chemistry. **Prerequisites:** 24 credit points of Junior units of study from any of the Science discipline areas. **Assessment:** One 2 hr examination (60%), one 2000 word essay (20%), on-line quizzes and tutorial group presentation (20%). *NB: This is a prerequisite unit of study for IMMU3002. The completion of 6 credit points of MBLG units of study is highly recommended.*

This unit of study will provide an overview of the human immune system and essential features of immune responses. The lecture course begins with a study of immunology as a basic research science (~15 lectures). This includes the nature of the cells and molecules that recognise antigens and how these cells respond at the cellular and molecular levels. Practical / tutorial sessions will illustrate particular concepts introduced in the lecture program. Further lectures and self-directed learning sessions will integrate this fundamental information into studies of mechanisms of host defence against infection, transplantation, and dysfunction of the immune system including allergy, immunodeficiency and autoimmune diseases.

Textbooks

Basic Immunology Functions and Disorders of the Immune System.

AK Abbas & AH Lichtman. Saunders 2004

IMMU 3002 Immunology

12 credit points. Dr Allison Abendroth. **Session:** Semester 2. **Classes:** 3 lec, one 4 hr prac & one 2 hr tut/wk. **Assumed Knowledge:** Intermediate Biochemistry and Molecular Biology and Genetics. **Prerequisites:** IMMU2001 or IMMU2101 and 6 credit points of Intermediate units of study from Biochemistry or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Assessment:** Two 2 hr theory exams (60%), essay, practical quizzes and reports and seminar (40%).

NB: The completion of 6 credit points of MBLG units of study 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.

Textbooks

Cellular and Molecular Immunology 5th edition.

AK Abbas & AH Lichtman. Saunders 2003

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, Cell Pathology or Physiology. Usually Honours candidates will have an overall SCIAM 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:** Summer, Semester 1, Semester 2. **Classes:** One 1hr lecture, one 2 hr tutorial, one 3hr practical. **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:** Semester 1, Semester 2. **Classes:** 1 lec, 2 tut & 3 lab/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prerequisites:** UAI at least that for acceptance into BSc(Adv) degree program. **Assessment:** Written and practical assignments, quizzes, exam.

NB: Department permission required for enrolment. Entry requires departmental permission, except for students in BSc(Adv), BCST(Adv) or BIT degrees

An advanced alternative to SOFT 1001; covers material at an advanced and challenging level. See the description of SOFT 1001 for more information.

SOFT 1002 Software Development 2

6 credit points. **Session:** Summer, Semester 1, Semester 2. **Classes:** One 1hr lecture, one 2hr tutorial, one 3 hr practical. **Prerequisites:** SOFT (1001 or 1901) or COMP (1001 or 1901). **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:** Semester 2, Semester 1. **Classes:** 1 lec, 2 tut & 3 lab/wk. **Prerequisites:** SOFT (1001 or 1901) or COMP (1001 or 1901) and Distinction in one of these. **Assessment:** Written and practical assignments, quizzes, exam.

NB: Department permission required for enrolment.

An advanced alternative to SOFT 1002; covers material at an advanced and challenging level. See the description of SOFT 1002 for more information.

INFO 1003 Foundations of Information Technology

6 credit points. Darren Louie. **Session:** Semester 1, Semester 2. **Classes:** (2 lec, 1 tut, 3 prac)/wk. **Assumed Knowledge:** Basic computer operations. **Assessment:** Assignments, written exam, prac exam.

We are currently living in the age of information, a knowledge based economy driven by computers, databases, information systems, and networks. Whether it is at work, play or school, you need to have basic computer competencies to be productive in this new economy. INFO1001 is an introductory course which aims to prepare the next generation of students to develop the necessary knowledge, skills and abilities to be competent with information technology. Productivity tools and web technologies such as spreadsheets, databases, search engines, HTML, and JavaScript, will be taught using a problem solving context relevant for any academic discipline. Students will undertake practical and meaningful tasks including authoring an interactive e-Commerce web site using HTML and JavaScript and building a small scale application for managing information, decision making and reporting. In addition, the course will address the importance of understanding the many social, ethical, and intellectual property issues arising from the widespread use of information technology in our society.

ISYS 1003 Foundations of Information Technology

6 credit points. **Session:** Summer. **Classes:** Two 1hr lectures, one 3hr practical & one 1hr tutorial. **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 website at <http://www.it.usyd.edu.au/>. Students should consult this website to assist them in selecting their units.

COMP 2160 Data Structures

6 credit points. **Session:** Semester 1. **Classes:** 2 hrs lecture per week, 2 hrs tut (structured as 2 hr block) per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Corequisites:** MATH (1004 or 1904 or 2009 or 2011 or 2069 or 2969). **Assessment:** Assignments 30 %, one 2 hour exam.

This unit includes a formal introduction to commonly used data structures such as lists, stacks, queues, priority queues, search trees, hash tables and graphs. It also covers the analysis of algorithms and all data structures introduced are analysed according to a notion of asymptotic complexity. There will be a programming project in which students will design an algorithmic solution to a problem, analyse its time complexity, and implement it.

Textbooks

TBA

COMP 2860 Data Structures (Advanced)

6 credit points. **Session:** Semester 1. **Classes:** 3 hrs lecture per week, 1 hr tut per week. **Prerequisites:** [SOFT (1002 or 1902) or COMP (1002 or 1902)] and Distinction in one COMP, SOFT or MATH unit. **Corequisites:** MATH (1004 or 1904 or 2009 or 2011 or 2069 or 2969). **Assessment:** Assignments 30 %, one 2 hour exam.

An advanced alternative to COMP2160; covers material at an advanced and challenging level. See the description of COMP2160 for more information.

Textbooks

TBA

INFO 2000 Systems Analysis and Design

4 credit points. **Session:** Summer. **Classes:** Two 1hr lectures, one 1 hr tutorial, or one 1hr practical; 1 unscheduled lab work with a CASE tool. **Prerequisites:** ISYS 1003 or INFO 1000 or INFS 1000 or 6 credit points of Computational Science or SOFT (1001 or 1901) or COMP (1001 or 1901). **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 2110 Systems Analysis and Modelling

6 credit points. Mr Simon Poon and Dr Geoffrey Kennedy. **Session:** Semester 1. **Classes:** 2 hrs lec, 1 hr tut & 1 hr prac/wk. **Assumed Knowledge:** Simple data modelling and simple SQL knowledge covered at ISYS1003 or INFO1000 level. **Prerequisites:** ISYS1003 or INFS1000 or SOFT (1001 or 1901) or COMP (1001 or 1901) or INFO1000 or INFO1003 or 6 credit points of COSC. **Assessment:** One 2hr exam, two assignments, two tut papers.

This unit provides a comprehensive introduction to the analysis of complex systems, and the representation of models of the system in widely-understood notations. It addresses the roles a systems analyst plays in different stages in the systems lifecycle. It covers a collection of methodologies, models, tools, and techniques that can be used to model systems. The major topics are requirements elicitation and representation, data models, process models, and project planning. We will cover both the traditional structured approach which includes process modelling using data flow diagrams (DFDs) and conceptual data modelling using Entity-Relationship Diagram (ERDs), and the object-oriented approach using class diagrams, sequence diagrams, collaboration diagrams, and statechart diagrams, expressed in UML.

Tools such as Microsoft Access will be used to produce simple system prototypes, based on models.

INFO 2120 Database Systems 1

6 credit points. Dr Uwe Roehm, A/Prof Joseph Davis. **Session:** Semester 2. **Classes:** 2 hrs lec, 2 hr block lab. **Assumed Knowledge:** Basics of data modeling, experience working with information technology tools. **Prerequisites:** ISYS1003 or INFS1000 or SOFT (1001 or 1901) or COMP (1001 or 1901) or INFO1000 or INFO1003 or 6 credit points of COSC. **Assessment:** One 2 hour exam, written and/or practical assignments.

This unit of study will provide a comprehensive introduction to database management, SQL query language, and application development using databases. The fundamentals of relational database technology will be covered.

Contents: data modelling, relational data model, data normalisation, logical and physical database design, SQL query language, Form-based application development, client server and web-enabled transactions processing systems, and distributed database systems.

INFO 2810 Systems Analysis and Modelling (Adv)

6 credit points. Mr Simon Poon and Dr Geoffrey Kennedy. **Session:** Semester 1. **Classes:** 3 lec, 1 tut and/or 1 prac/wk. **Assumed Knowledge:** Simple data modelling and simple SQL knowledge covered at ISYS1003 level. **Prerequisites:** ISYS1003 or INFS1000 or INFO1000 or INFO1003 or SOFT (1001 or 1901) or COMP (1001 or 1901) or 6 crpts of COSC; and Distinction in one of these or in a 2000-level or above INFO, ISYS or SOFT unit. **Assessment:** One 3hr exam, two assignments, two tut papers.

An advanced alternative to INFO2110; covers material at an advanced and challenging level. See the description of INFO2110 for more information.

INFO 2820 Database Systems 1 (Advanced)

6 credit points. Dr Uwe Roehm, A/Prof Joseph Davis. **Session:** Semester 2. **Classes:** 3 hrs lec, 1 hr lab. **Assumed Knowledge:** Basics of data modelling, experience working with information technology tools. **Prerequisites:** ISYS1003 or INFS1000 or SOFT (1001 or 1901) or COMP (1001 or 1901) or INFO1000 or INFO1003 or 6 credit points of COSC; Distinction in one of these or in a 2000-level or above unit in INFO, ISYS or SOFT. **Assessment:** One 2 hour exam, written and/or practical assignments.

An advanced alternative to INFO2120; covers material at an advanced and challenging level. See the description of INFO2120 for more information.

ISYS 2140 Information Systems

6 credit points. A/Prof Joseph Davis. **Session:** Semester 1. **Classes:** 2 hours of lecture and 2 hours of tutorial per week. **Assumed Knowledge:** Understanding of the roles and functions of information technology tools for document processing, modelling, database management etc. Experience in the use of these tools to solve practical problems and to present the results effectively. Awareness of the main concepts of programming and of a program running in a computer (a process). **Prerequisites:** ISYS1003 or INFO1000 or INFO1003 or INFS1000. **Assessment:** One 2 hours exam, written assignments and Tutorial presentations.

This unit of study will provide a comprehensive conceptual and practical introduction to information systems (IS) in contemporary organisations.

Content: General Systems Theory; Basic concepts of organisations, systems and information; The role of information systems in operating and managing organisations; How IS and the Internet enables organisations to adopt more competitive business models, including e-Commerce; The technologies that underpin IS; Distributed systems, including security, networking principles, the client server model and how distributed components locate and communicate with each other; The integration of disparate systems both within the organisation and between organisations, including the role of XML; Behavioural, managerial and ethical issues in implementing and managing IS

Textbooks

Management Information Systems: Managing the Digital Firm, 8th Edition, Kenneth C. Laudon & Jane P. Laudon, Prentice Hall 2004

Computer Networking: A Top-down Approach Featuring the Internet, 2nd edition, James F. Kurose and Keith W. Ross, Pearson/Addison Wesley 2003

NETS 2150 Fundamentals of Networking

6 credit points. **Session:** Semester 1. **Classes:** 2 hrs lec and 2 hrs prac/wk. **Prerequisites:** ELEC1601 or SOFT (1001 or 1901). **Assessment:** One 2hr exam, one mid-semester test and two assignments (one involves programming).

Computer users often take for granted the ability to access information and services from remote computers. This first course on networking provides an overall or bird's eye view of the networking world and how the networks have evolved. This unit aims to show how the underlying hardware and software components can make this possible. It covers the overall structure of a network involving devices such as hubs, bridges, switches and routers, and the standard communication protocol architectures, namely OSI layered reference model and TCP/IP. It mainly focuses on the physical, data link and network layers of these protocol architectures. It also lays the foundation for later studies on network protocols and programming and security engineering.

Textbooks

Data and Computer Communications, 2003 7th edition, William Stallings,

ISBN: 0131006819, Publisher: Pearson-Prentice Hall

NETS 2850 Fundamentals of Networking (Advanced)

6 credit points. **Session:** Semester 1. **Classes:** 3hrs lec and 1hr prac/wk. **Prerequisites:** ELEC1601 or SOFT (1001 or 1901) in 2005, and Distinction in one NETS or SOFT unit. **Assessment:** One 2hr exam, one mid-semester test, and two assignments (one involves programming).

An advanced alternative to NETS2150; covers material at an advanced and challenging level. See the description of NETS2150 for more information.

Textbooks

Data and Computer Communications, 2003 7th edition, William Stallings, ISBN: 0131006819, Publisher: Pearson-Prentice Hall

SOFT 2004 Software Development Methods 1

4 credit points. **Session:** Summer, Semester 1. **Classes:** Two 1hr lectures, one 2hr practical. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Assessment:** Written assignments, exam.

NB: Department permission required for enrolment.

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 2130 Software Construction 1

6 credit points. A/Prof Kummerfeld, A/Prof Kay. **Session:** Semester 2. **Classes:** 2 hrs lecture per week, 3 hrs lab (structured as 2 hrs plus 1 hr) per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902). **Assessment:** Programming assignments, in-lab quizzes, 2 hr written exam.

In this unit of study we cover elementary methods for developing robust, efficient, and re-usable software. The unit is taught in C, in a Unix environment. Specific coding topics include memory management, the pragmatic aspects of implementing data structures such as lists and hash tables, and managing concurrent threads. Debugging tools and techniques are discussed and common programming errors are considered along with defensive programming techniques to avoid such errors. Emphasis is placed on using common Unix tools to manage aspects of the software construction process, such as version control and regression testing. The subject is taught from a practical engineering viewpoint and it includes a considerable amount of programming practice, using existing tools as building blocks to complete a large-scale task. The unit discusses professionalism issues relevant to a career in software development, including intellectual property in software and employment conditions for programmers

Textbooks

TBA

SOFT 2830 Software Construction 1 (Adv)

6 credit points. A/Prof Kummerfeld, A/Prof Kay. **Session:** Semester 2. **Classes:** 3 hrs lecture per week, 2 hrs lab per week. **Prerequisites:** SOFT (1002 or 1902) or COMP (1002 or 1902) and Distinction in one of these, or in any SOFT unit at 2000-level or above. **Assessment:** Programming assignments, in-lab quizzes, 2 hr written exam.

An advanced alternative to SOFT 2130; covers material at an advanced and challenging level. See the description of SOFT 2130 for more information.

Textbooks

TBA

Computer Science and Information Systems Senior units of study

Students are advised that doing less than 24 Senior credit points is not regarded as adequate preparation for a professional career in computing or for further study. Students are advised to balance their workload between semesters. It is important to choose second year subjects appropriately to keep options open for further study. See www.it.usyd.edu.au for advice. 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 website at <http://www.it.usyd.edu.au/>. Students should consult this website to assist them in selecting their units.

COMP 3002 Artificial Intelligence

4 credit points. **Session:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisites:** [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. **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

7. Science units of study

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:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisites:** [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. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Assumed Knowledge:** MATH 2009. **Prerequisites:** COMP (2111 or 2811 or 2002 or 2902) and MATH (1004 or 1904 or 2009 or 2011) and MATH (1005 or 1905). **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 corrective and efficiency. An introduction to intractable problems, NP-hardness, and heuristics will also be given.

COMP 3811 Algorithms 2 (Advanced)

4 credit points. **Session:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial/lab. **Prerequisites:** 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. **Assessment:** Written assignments, written exam. An advanced alternative to COMP 3111; covers material at an advanced and challenging level.

COMP 3310 Theory of Computation

6 credit points. Prof. Peter Eades. **Session:** Semester 2. **Classes:** 2 hrs lecture per week, 2 hrs tut (structured as 2 hr block) per week. **Prerequisites:** COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902). **Assessment:** 30 % Assignments One 2 hr exam. This unit explores the fundamental nature of computing. We investigate the expressive power of computer languages, and learn how to describe them with grammars. We discuss the computational power of computers: what can be computed, and what cannot be computed; what can be computed efficiently?

Textbooks
Lecture Notes

COMP 3610 Theory of Computation (Advanced)

6 credit points. Prof. Peter Eades. **Session:** Semester 2. **Classes:** 3 hrs lecture per week, 1 hr tut per week. **Prerequisites:** COMP (2160 or 2860 or 2111 or 2811 or 2002 or 2902), and Distinction in a COMP, SOFT, or MATH unit at 2000-level or above. **Assessment:** 30 % Assignments One 2 hr exam. An advanced alternative to COMP3310; covers material at an advanced and challenging level. See the description of COMP3310 for more information.

Textbooks
Lecture Notes

INFO 3005 Organisational Database Systems

4 credit points. **Session:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisites:** INFO (2000 or 2900) and INFO (2005 or 2905). **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 3905 Organisational Database Systems (Adv)

4 credit points. -. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** INFO (2000 or 2900) and INFO (2005 or 2905) and Distinction in an INFO, ISYS or SOFT unit at 2000-level or above. **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:** Semester 2. **Classes:** Two 1hr lectures, one 1hr tutorial; 1 unscheduled lab work. **Prerequisites:** INFO2007 or ISYS2007 or ISYS2140. **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:** Semester 1. **Classes:** One 2hr lecture, one 1hr practical, 1hr independent study. **Prerequisites:** 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:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisites:** [ARIN 1000 or ENGL (1050 or 1005 or 1000) 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:** Semester 1. **Classes:** Two 1hr lectures, one 1hr tutorial. **Prerequisites:** INFO (2000 or 2900) and INFO (2005 or 2905) and ([ARIN 1000 or ENGL (1050 or 1005 or 1000) 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:** Semester 2. **Classes:** One 1hr lecture. **Prerequisites:** 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:** Semester 2. **Classes:** Two 1hr lectures, one 1-2 hour tutorial/practical. **Prerequisites:** COMP (2111 or 2811 or 2002 or 2902 or 2160 or 2860) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902). **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:** Semester 2. **Classes:** Two 1hr lecture, one 1-2 hour tutorial/practical. **Prerequisites:** COMP (2111 or 2811 or 2002 or 2902 or 2160 or 2860) and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and MATH (1002 or 1902) and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. **Assessment:** Written and practical assignments plus 2hr written exam. An advanced alternative to MULT3004; covers material at an advanced and challenging level.

MULT 3018 Multimedia Interaction

4 credit points. **Session:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hour tutorial/practical. **Prerequisites:** SOFT (2004 or 2904) or COMP (2004 or 2904). **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:** Semester 1. **Classes:** Two 1 hr lectures, one 1-2 hour tutorial/practical. **Prerequisites:** SOFT (2004 or 2904) or COMP (2004 or 2904) and Distinction in a COMP or MULT or SOFT unit at 2000-level or above. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hour tutorial/practical. **Prerequisites:** COMP (2111 or 2811 or 2002 or 2902) and MATH (1001 or 1901) and MATH (1002 or 1902) and MATH (1003 or 1903). **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:** Semester 1. **Classes:** Two 1hr lecture, one 1-2 hour tutorial/practical. **Prerequisites:** 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. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [(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). **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, NETS3007 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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [(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. **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:** Semester 2. **Classes:** Two 1hr lecture, one 1-2 hr tutorial/practical. **Prerequisites:** [NETS (2008 or 2908) or ELEC (1601 or 2601)] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT(2001 or 2901). **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:** Semester 2. **Classes:** Two 1hr lecture, one 1-2 hr tutorial/practical. **Prerequisites:** [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. **Assessment:** Written assignments and exam.

An advanced alternative to NETS3009; covers material at an advanced and challenging level.

NETS 3016 Computer and Network Security

4 credit points. **Session:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **AssumedKnowledge:** MATH (1004 and 1005). **Prerequisites:** [(NETS (2008 or 2908) and NETS (2009 or 2909)) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)]. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **AssumedKnowledge:** MATH (1004 and 1005). **Prerequisites:** [(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. **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:** Semester 2. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [(NETS (2008 or 2908) and NETS (2009 or 2909)) or NETS (2150 or 2850) or ELEC 2601] and [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). **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:** Semester 2. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [(NETS (2008 or 2908) and NETS (2009 or 2909)) or NETS2150 or NETS2850 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. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** SOFT (2001 or 2901) and INFO (2000 or 2900) and INFO (2005 or 2905) and [SOFT (2004 or 2904) or COMP (2004 or 2904)]. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** 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. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [SOFT (2004 or 2904) or COMP (2004 or 2904)]. **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

7. Science units of study

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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and Distinction in a SOFT or INFO unit at 2000-level or above. **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:** Semester 2. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901) and MATH (1005 or 1905). **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:** Semester 2. **Classes:** Two 1hr lectures, one 1-2 hour tutorial/practical. **Prerequisites:** [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. **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [SOFT (2004 or 2904) or COMP (2004 or 2904)] and SOFT (2001 or 2901). **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:** Semester 1. **Classes:** Two 1hr lectures, one 1-2 hr tutorial/practical. **Prerequisites:** [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. **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:** Semester 1, Semester 2. **Prerequisites:** [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). **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:** Semester 1, Semester 2. **Prerequisites:** [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. **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

LAWS 1002 Contracts

8 credit points. Dr Luke Nottage (Convenor). **Session:** Summer, Semester 1, Semester 2. **Classes:** Two 2 hr seminars per week. **Prerequisites:** Foundations of Law.

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. Dr Gail Mason (Convenor - Semester 1 - Graduate Law); Professor Mark Findlay (Convenor - Semester 2 - Combined Law). **Session:** Semester 1, Semester 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 1006 Foundations of Law

6 credit points. Ms Jenni Millbank (Convenor). **Session:** Semester 1. **Classes:** One 1 hr lecture & Two 2 hr seminars per week.

NB: Unit is part of Combined Law.

This unit of study provides a foundation core for the study of law. We aim to provide a practical overview of the Australian legal system, an introduction to the skills of legal reasoning and analysis which are necessary to complete your law degree, and an opportunity for critical engagement in debate about the role of law in our lives.

The course will introduce students to issues such as:

- the development of judge made and statute law
- the relationship between courts and parliament
- the role and function of courts, tribunals and other forms of dispute resolution

- understanding and interrogating principles of judicial reasoning and statutory interpretation

- the relationship between law, government and politics

- what are rights in Australian law, where do they come from and where are they going

We will have a particular focus on indigenous Australia in exploring many of these issues, for example through the landmark Mabo decision.

LAWS 1008 Legal Research

0 credit points. TBA. **Session:** Semester 1, Semester 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 1010 Torts

6 credit points. Mr David Rolph (Convenor - Semester 1 - Graduate Law); Associate Professor Barbara McDonald (Convenor - Semester 2 - Combined Law). **Session:** Semester 2. **Classes:** Two 2 hr seminars per week. **Prerequisites:** Foundations of Law.

NB: Unit is part of the Combined Law program for students commencing in 2005.

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 3000 Federal Constitutional Law

10 credit points. Professor George Winterton (Convenor). **Session:** Semester 1. **Classes:** Two 2 hr seminars per week. **Prerequisites:** Foundations of Law.

NB: Unit is part of Combined Law.

This unit of study aims to achieve an understanding of the principles of Australian constitutional law. The unit commences with a development of an understanding of Australia's constitutional independence, parliamentary sovereignty, indigenous rights and the concepts of representative and responsible government. Further topics covered include federalism (including the external affairs power and the relationship between Commonwealth and state laws); economic and financial power and relations (including the corporations power, the trade and commerce power, freedom of interstate trade, and excise); the doctrine of separation of powers and judicial power of the Commonwealth; express and implied constitutional rights; and principles of constitutional interpretation. The unit aims to develop a capacity to evaluate the principles critically, with regard to political theory and the social context within which cases have been decided.

LAWS 3002 Law, Lawyers and Justice

10 credit points. Mr Bernard Dunne (convenor). **Session:** Semester 2. **Classes:** Two 2 hr seminars per week.

NB: Unit is part of the Combined Law program for re-enrolling students in 2005

Law, Lawyers and Justice has a distinct intellectual focus. Most subjects in the law curriculum are concerned primarily with examining judicial decisions, and the statutes, framework and functions of state administration. In contrast, Law, Lawyers and Justice concentrates on what lawyers do, do not do, and should do, as well as on strategies to influence them to do better - better in two intertwined domains, namely, legal competence and ethical responsibility. Law, Lawyers and Justice begins with mapping the different forms of legal practice, examining their work environments, appraising the social worth of legal services, and suggesting alternative ways of being a lawyer. It then examines law as a profession, investigating how it is structured and regulated. Next, the subject proceeds to analyse lawyer-client relations. Here the major aims are to determine how clients are treated by lawyers, what formal rules and principles are used to mould the behaviour of lawyers, and in what ways the relationship should be changed in the interests of both equality and effective communication. Finally, Law, Lawyers and Justice investigates the adversary system and considers its advantages and limitations. The material in this part of the subject, addresses the effects an adversarial legal culture has on the way lawyers interact with clients and opposing parties. It also analyses current regulatory measures designed to curb the actions of lawyers within the adversary system. A central theme, constantly revisited in Law, Lawyers and Justice, is the questioning of how ethics and law should be conceived and practiced, as well as the appropriate interdependencies between the ethical and the legal.

Liberal Studies units of study

ENGL 1000 University English

6 credit points. Dr Thomas. **Session:** Summer, Winter, Semester 1, Semester 2. **Classes:** One 1-hr lecture and One 2-hr workshop per week. **Prerequisites:** This unit is available to all enrolled students and will count for credit across all faculties. There are no specific pre-requisites, co-requisites or prohibitions, but students are expected to have native or near native fluency in English. ENGL 1000 cannot be counted towards the junior credit points required to enrol in senior units of English. **Assessment:** Assignments include two 500-word writing tasks and two 500-word editing tasks.

University English is a practical unit designed to improve student writing at all undergraduate levels in a variety of formats across a range of disciplines. It is taught by means of lecture and workshops organized around exercises in rhetoric, style and grammar. Many writing and editing assignments are drawn from actual university documents, including examples of 'real' student writing.

Textbooks

The Elements of Style (Strunk and White), Fourth Edition and The Essentials of Academic Writing (Soles), First Edition

ENGL 1005 Language and Image

6 credit points. Mr Ronalds. **Session:** Semester 2, Semester 1. **Classes:** One 1hr lecture and one 2hr workshop. **Assessment:** Two 500wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

NB: Department permission required for enrolment.

This unit of study will introduce student 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.

7. Science units of study

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:** Semester 1. **Classes:** two 1 hr lectures with 1 hr seminar & one optional 1 hr tutorial per week. **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 website (www.usyd.edu.au/marine).

MARS 2005 Global Oceans (Introduction)

6 credit points. Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lec/wk + 6 tutorials/sem + 1 day field trip. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Assessment:** One 2hr exam, assignments.

NB: This is a qualifying unit for some Senior Marine Science units. Some Senior electives may have additional prerequisites.

This course is split into two sections: physical and geological oceanography. Major physical oceanography topics include the physical and chemical properties of ocean water, ocean circulation, waves and tides. Major geological oceanography topics include the origins and geological history of ocean basins, ocean volcanism, sediments and continental margins. Both the regional oceanography and continental shelf of Australia are emphasised. Although this is principally a lecture-based course, you will receive feedback on your understanding of the course content through regular assignments and six tutorials. The learning outcome you should expect at the end of the course is a broad knowledge of the fundamental concepts in physical and geological oceanography, and their particular relevance to the Australasian region. This provides the necessary background for senior-level Marine Science courses in which you will learn more advanced concepts, and also become involved in the practical and field-based aspects of marine science.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall

MARS 2006 Marine Ecosystems and Geomorphology

6 credit points. Dr Peter Cowell. **Session:** Semester 2. **Classes:** 3 lec + 6 tutorial/sem + 1 day field excursion. **Assumed Knowledge:** MARS2005. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Assessment:** One 2hr exam, assignments.

NB: This is a qualifying unit for Senior Marine Science units. Some Senior electives may have additional prerequisites.

This course is split into two sections: marine biology and coastal geomorphology. The marine biology section describes some of the ways that the properties of the oceans affect marine organisms. It also introduces coral reefs and other marine ecosystems, together with their productivity, biological oceanography, the reproductive biology of marine organisms, and marine biological resources. The coastal geomorphology section provides an introduction to coastal geomorphology by examining the geographic variability of coasts as the sum effect of variations in terrestrial, climatic and oceanographic factors. These factors are introduced in terms of the main physical processes (geology, sea-level, waves, tides, winds) governing coastal geomorphology on a range of space-time scales. Geographic variation in the physical processes is illustrated by reference to the local coast: ie, Sydney. The illustration is amplified by drawing comparisons

with other parts of SE Australia, and with overseas examples (especially from coastal environments very different to that of Sydney).

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney

MARS 2007 Marine Science Field School

6 credit points. Prof Andy Short. **Session:** S1 Intensive. **Classes:** Field school, 4 x 3 hr prac. **Prerequisites:** 24 credit points of Junior Science units. **Corequisites:** MARS (2005 or 2905). **Assessment:** Participation in field school, 2500w field report.

NB: This unit of study is available to students in the Bachelor of Science (Marine Science) only.

Marine Scientists are generally involved in a wide variety of field-work throughout their careers. A detailed knowledge of field methods and techniques is therefore a necessary component in the education of marine scientists. This unit of study introduces students to a range of field issues within the coastal and marine environment during a 5 day field school. Many of the field methods focused on are generic across the marine disciplines. In addition, techniques specific to the disciplines of Biological Sciences and Geosciences are taught. Students will be expected to participate in a hands-on way, undertaking small project-based data collection exercises during the field school. These data will provide resources for the practical part of the course undertaken during semester. The practical classes are intended to familiarise the student with laboratory and data processing techniques.

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney

Pechenik JA (2003) *A Short Guide to Writing About Biology*, 5th edn. Addison Wesley Longman, Sydney

MARS 2905 Global Oceans (Introduction) (Advanced)

6 credit points. Dr Michael Hughes. **Session:** Semester 1. **Classes:** 3 lec/wk + 6 tutorials/sem + 1 day field trip. **Prerequisites:** 24 credit points of Junior Science units. **Assessment:** One 2hr exam, 8 assignments, participation in field trip activities.

NB: This unit of study is available to advanced students only.

This course is split into two sections: physical and geological oceanography. Major physical oceanography topics include the physical and chemical properties of ocean water, ocean circulation, waves and tides. Major geological oceanography topics include the origins and geological history of ocean basins, ocean volcanism, sediments and continental margins. Both the regional oceanography and continental shelf of Australia are emphasised. Although this is principally a lecture-based course, you will receive feedback on your understanding of the course content through regular assignments and six tutorials. The learning outcome you should expect at the end of the course is a broad knowledge of the fundamental concepts in physical and geological oceanography, and their particular relevance to the Australasian region. This provides the necessary background for senior-level Marine Science courses in which you will learn more advanced concepts, and also become involved in the practical and field-based aspects of marine science.

Textbooks

H.V. Thurman and E.A. Burton, 2001. *Introductory Oceanography*, 9th Edition. Prentice Hall.

MARS 2906 Marine Ecosystems and Geomorphology Adv

6 credit points. Dr Peter Cowell. **Session:** Semester 2. **Classes:** 3 lec + 6 tutorial/sem + 1 day field excursion. **Prerequisites:** 24 credit points of Junior units of study from Science Discipline Areas. **Assessment:** One 2hr exam and assignments.

NB: This unit of study is available to advanced students only.

This course is split into two sections: marine biology and coastal geomorphology. The marine biology section describes some of the ways that the properties of the oceans affect marine organisms. It also introduces coral reefs and other marine ecosystems, together with their productivity, biological oceanography, the reproductive biology of marine organisms, and marine biological resources. The coastal geomorphology section provides an introduction to coastal geomorphology by examining the geographic variability of coasts as the sum effect of variations in terrestrial, climatic and oceanographic factors. These factors are introduced in terms of the main physical processes (geology, sea-level, waves, tides, winds) governing coastal geomorphology on a range of space-time scales. Geographic variation in the physical processes is illustrated by reference to the local coast: ie, Sydney. The illustration is amplified by drawing comparisons with other parts of SE Australia, and with overseas examples (especially from coastal environments very different to that of Sydney).

Textbooks

Castro P, Huber M (2003) *Marine Biology*, 4th edn. McGraw-Hill Higher Education, Sydney

MARS 2907 Marine Science Field School (Advanced)

6 credit points. Prof Andy Short. **Session:** S1 Intensive. **Classes:** Field school and prac/sem 3hr/wk. **Prerequisites:** 24 credit points of Junior Science units. **Corequisites:** MARS (2005 or 2905). **Assessment:** 2500w field report and participation in field school activities.

NB: This unit of study is available to advanced students 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.

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

(*) 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 470, 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:** Semester 1a. **Classes:** 3 hrs lects & 3 hrs prac/wk, one half day excursion, one weekend excursion. **Prerequisites:** 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.

NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study

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:** Semester 1b. **Classes:** 3 hrs lects & 6 hrs pracs/wk & 3 hrs WebCT assignments/wk. **Prerequisites:** 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, 1 hr exam.

NB: From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study

Coastal Morphodynamics studies the modelling 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. A/Prof Dietmar Müller, Dr Michael Hughes. **Session:** Semester 1a. **Classes:** (12 hrs lects, pracs)/wk, one weekend excursion. **Prerequisites:** 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 CIVL2409. **Assessment:** Assignments, 2 hr exam.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.

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

Müller, R. D., and Hughes, M., Marine geophysical data analysis, (available at University Copy Centre).

MARS 3006 Dynamics of Ocean Basins and Margins

6 credit points. A/Prof Dietmar Müller. **Session:** Semester 1b. **Classes:** (12 hrs lects, pracs)/wk, one weekend excursion. **Assumed Knowledge:** Prior completion of MARS3005 is highly recommended. **Prerequisites:** MARS (2001 and 2002) or 16

7. Science units of study

credit points of Intermediate Science including at least 8 credit points from Geology or Geography units of study or CIVL2409. **Assessment:** Assignments, 2 hr exam.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.

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 MARS3005. The class is relevant to all students interested in using computational methods to learn how the Earth works.

Textbooks

Müller, R. D., Dynamics of ocean basins and margins, (available at University Copy Centre).

MARS 3008 Energy: Science, Engineering & Economics

6 credit points. Prof Peter Davies, Dr Gavin Birch. **Session:** Semester 1. **Classes:** (12 hrs lects, pracs)/wk, one weekend excursion. **Prerequisites:** 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 CIVL2409. **Assessment:** Assignments, field work, 2 hr exam.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.

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 a 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 3103 GIS Simulation Modelling

6 credit points. Dr Peter Cowell. **Session:** Semester 2a. **Classes:** (3 hrs lects, 6 hrs pracs)/wk & 3 hrs WebCT assignments/wk. **Prerequisites:** 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, 1 hr exam.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.

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 modelling). 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:** Semester 2b. **Classes:** (3 hrs lects, 4 hrs pracs)/wk, field trip. **Prerequisites:** MARS (2001 and 2002) or 16 credit points of In-

termediate Science including at least 8 credit points from Geology or Geography units of study. **Assessment:** Assignments, exam.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study.

Aims of the unit: (a) 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; (b) To equip you with some conceptual models for the management of problems in resource management in the coastal zone; and (c) 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:** Semester 2a. **Classes:** (12 hrs lects, pracs)/wk, one weekend excursion. **Prerequisites:** 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 CIVL2409. **Assessment:** Assignments, 2 hr exam.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.

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. Dr Julie Dickinson. **Session:** Semester 2b. **Classes:** (12 hrs lects, pracs)/wk, one weekend excursion. **Prerequisites:** 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.

NB: From 2006 the prerequisites will be: MARS (2005 or 2905) and MARS (2006 or 2906) or 12 credit points of Intermediate Science units including at least 6 credit points from Geology or Geography units of study or CIVL2409.

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 students' 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 four 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 four 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 unit 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 BSc (Marine Science) course or equivalent, and the completion of MARS2005/2905 and MARS2007/2907.

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 two and no more than three 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 website: www.usyd.edu.au/marine.

NTMP 3001 Coral Reef Ecosystems

6 credit points. **Session:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Corequisites:** MARS(2006 or 2906). **Assessment:** Report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students. From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2007 or 2907) MARS (2003 and 2001) plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. Coral Reef Ecosystems is an intensive unit that will be held at either the Heron Island or One Tree Island Tropical Research Stations on the Great Barrier Reef. The unit focuses on the dominant taxa in reef environments and linkages between them. Emphasis is given to corals, other reef associated invertebrates (eg. echinoderms and plankton) and fishes. Ecological and physiological aspects of key organisms are explored. Aspects covered include: distribution of corals; coral bleaching; coral symbionts and the health of the corals based on photosynthetic activity; predation on corals; the input of plankton to reefs; and, the role of fishes and invertebrates in reef environments.

NTMP 3003 Fisheries Biology and Management

6 credit points. **Session:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Corequisites:** MARS(2006 or 2906). **Assessment:** Report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students. From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2007 or 2907) MARS (2003 and 2001) plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. 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:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Corequisites:** MARS(2006 or 2906). **Assessment:** Assignments and report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students. From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2007 or 2907) MARS (2003 and 2001) plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. 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:** S2 Intensive. **Classes:** Fieldwork, 80 hours block mode. **Assumed Knowledge:** General concepts in Biology. **Prerequisites:** MARS (2003 and 2001) plus 16 credit points from Intermediate Science units of study. **Corequisites:** MARS(2006 or 2906). **Assessment:** Assignment and report.

NB: Department permission required for enrolment. These units are only available to BSc (Marine Science) students. From 2006 the prerequisites will be: MARS(2005 or 2905) and MARS(2007 or 2907) MARS (2003 and 2001) plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. This unit examines the impacts of human activities on coastal and marine environments. It explores the complex relationships among the ecological and social values of these environments and outlines strategies and tools for their management. This is an intensive unit that will be held at the Moreton Bay Research Station.

Mathematics and Statistics

The School of Mathematics and Statistics offers units of study in Applied Mathematics, Mathematical Statistics and Pure Mathematics.

The Junior units of study cover a range of topics in mathematics and statistics and are offered at 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,

7. Science units of study

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 2011 and STAT 2012.

MATH 1011 Life Sciences Calculus

3 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **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:** Summer, Semester 1. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1015 is designed to provide a thorough preparation in statistics for students of the Life Sciences. It offers a comprehensive introduction to data analysis, probability and sampling, inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

There are comprehensive details of this unit of study in the Junior Mathematics Handbook distributed at the time of enrolment.

Textbooks

As set out in the Junior Mathematics Handbook

Mathematics & 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:** Summer, Semester 1. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **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:** Semester 1, Summer. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1002 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This unit of study introduces vectors and vector algebra, linear algebra including solutions of linear systems, matrices, determinants, eigenvalues and eigenvectors.

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:** Summer, Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2 or MATH 1001. **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:** Summer, Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH 1004 is designed to provide a thorough preparation for further study in Mathematics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This unit provides an introduction to fundamental aspects of discrete mathematics, which deals with 'things that come in chunks that can be counted'. It focuses on the enumeration of a set of numbers, viz. Catalan numbers. Topics include sets and functions, counting principles, Boolean expressions, mathematical induction, generating functions and linear recurrence relations, graphs and trees.

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:** Summer, Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics. **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2. **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2. **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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2 or Credit or better in MATH (1001 or 1901). **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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2 or result in Band E4 of HSC Mathematics Extension 1. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1904 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 MATH1004 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Assumed Knowledge:** HSC Mathematics Extension 2 or result in Band E4 or better of HSC Mathematics Extension 1. **Assessment:** One 1.5 hour examination, assignments and quizzes.

MATH1905 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This Advanced level unit of study parallels the normal unit MATH1005 but goes more deeply into the subject matter and requires more mathematical sophistication.

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:** Semester 1. **Classes:** 2 lec, 1 sem, 1 tut/wk. **Prerequisites:** UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation. **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 MATH1901 Differential Calculus (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

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:** Semester 2. **Classes:** 2 lec, 1 sem & 1 tut/wk. **Prerequisites:** Distinction in MATH1906; by invitation. **Assessment:** One 1.5hr exam, assignments, classwork.

NB: Department permission required for enrolment.

This is an Advanced unit of study. Entry to Mathematics (Special Studies Program) B is normally restricted to students with a Distinction in MATH1906. Students will cover the material in MATH1903 Integral Calculus and Modelling (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

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 6 credit points covering a variety of topics in Pure and Applied Mathematics. A normal Intermediate load in a discipline is 12 credit points and this is the minimum that should be undertaken by anyone intending to specialise in Senior Mathematics.

The units of study are taught at either the Normal or the Advanced level. Entry to an Advanced unit of study usually requires a Credit or better in a Normal level prerequisite or a Pass in an Advanced level prerequisite.

For ease of overview the units of study are arranged under Pure, for students wishing to specialise in Pure Mathematics, and Applied, for those wishing to specialise in Applied Mathematics. Several units of study are suitable for either. Details of each unit of study appear below whilst full details of unit of study structure, content and examination procedures are provided in the Second Year Mathematics Handbook available from the School at the time of enrolment.

Pure units of study (each 6 credit points)

- Algebra (Adv) MATH 2968

- Discrete Maths & Graph Theory MATH2069

- Discrete Maths & Graph Theory (Adv) MATH2969

- Linear Mathematics & Vector Calculus MATH2061

- Linear Mathematics & Vector Calculus (Adv) MATH2961

- Number Theory and Cryptography MATH 2068

- Real and Complex Analysis (Adv) MATH 2962

Applied units of study (each 6 credit points)

- Introduction to Partial Differential Equations MATH2065

- Introduction to Partial Differential Equations (Adv) MATH2965

- Linear Mathematics & Vector Calculus MATH2061

- Linear Mathematics & Vector Calculus (Adv) MATH2961

- Mathematical Computing & Nonlinear Systems MATH 2063

- Mathematical Computing & Nonlinear Systems (Adv) MATH 2963

- Optimisation & Financial Mathematics MATH 2070

- Optimisation & Financial Mathematics (Adv) MATH 2970

Relation to other units of study and recommendations

In general, 2 units of study (12 credit points) of Intermediate mathematics are needed to progress to a Senior Mathematics unit of study. If your major interest is in mathematics, then you are strongly encouraged to enrol in at least 3 units of study in Intermediate Mathematics. If you are considering doing Honours in mathematics, they should include some Advanced units of study.

Students intending to specialise in Applied Mathematics are encouraged to include MATH 2061 or 2961, and MATH 2065 or 2965.

Students intending to specialise in Pure Mathematics should include MATH 2061 or 2961. Students considering Honours in Pure Mathematics should also take MATH 2962 and MATH 2968.

Computer Science students may like to include MATH 2069 or 2969 among their choices.

Physics students would be well-advised to choose MATH 2061 or 2961, and MATH 2065 or 2965.

Prospective teachers of mathematics should consider MATH 2061 and 2068.

MATH 2001 Vector Calculus and Complex Variables

4 credit points. **Session:** Summer. **Classes:** 3 lec & 1 tut/wk. **Prerequisites:** MATH (1001 or 1901 or 1906) and (1002 or 1902) and (1003 or 1903 or 1907). **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:** Summer. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisites:** MATH (1002 or 1902) or Distinction in MATH 1012. **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 2005 Fourier Series & Differential Equations

4 credit points. **Session:** Summer. **Classes:** 3 lec & 1 tut/wk. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). **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 2009 Graph Theory

4 credit points. **Session:** Summer. **Classes:** 3 lec & 1 tut/wk. **Prerequisites:** 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 2011 Topics in Discrete Mathematics

4 credit points. **Session:** Summer. **Classes:** 2 lec, 1 tut & 1 prac/wk. **Assumed Knowledge:** HSC Mathematics Extension 1. **Prerequisites:** 6 credit points of Junior Mathematics. **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 2061 Linear Mathematics and Vector Calculus

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut and 1 practice class/wk. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). **Assessment:** 3 hour exam, assignments, quizzes.

This unit starts with an investigation of linearity: linear functions, general principles relating to the solution sets of homogeneous and inhomogeneous linear equations (including differential equations), linear independence and the dimension of a linear space. The study of eigenvalues and eigenvectors, begun in junior level linear algebra, is extended and developed. Linear operators on two-dimensional real space are investigated, paying particular attention to the geometrical significance of eigenvalues and eigenvectors. The unit then moves on to topics from vector calculus, including vector-valued functions (parametrised curves and surfaces; vector fields; div, grad and curl; gradient fields and potential functions), line integrals (arc length; work; path-independent integrals and conservative fields; flux across a curve), iterated integrals (double and triple integrals; polar, cylindrical and spherical coordinates; areas, volumes and mass; Green's Theorem), flux integrals (flow through a surface; flux integrals through a surface defined by a function of two variables, though cylinders, spheres and parametrised surfaces), Gauss' Divergence Theorem and Stokes' Theorem.

MATH 2063 Math Computing and Nonlinear Systems

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut, 1 computer lab/week (lectures in common with MATH2963). **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). **Assessment:** 3hr exam, assignments, quizzes.

This unit will introduce students to techniques of mathematical computation as applied to nonlinear systems, using the numerical programming language MATLAB and, where appropriate, computer

algebra. This knowledge will be applied to a number of modelling problems, particularly those involving nonlinear mappings and nonlinear ordinary differential equations (ODEs). Throughout the unit of study the essential nonlinear theory will be developed, and the resulting ideas will be explored computationally. This will allow us to explore the modern concepts of chaos using a variety of examples, including the logistic map, the Henon map and the Lorenz equations. No prior knowledge of programming or of the MATLAB language or computer algebra is required.

MATH 2065 Partial Differential Equations (Intro)

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 example class/week. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907). **Assessment:** 3 hr exam, mid-semester test, assignments.

This is an introductory course in the analytical solutions of PDEs (partial differential equations) and boundary value problems. The techniques covered include separation of variables, Fourier series, Fourier transforms and Laplace transforms.

MATH 2068 Number Theory and Cryptography

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut & 1 computer lab/wk. **Prerequisites:** 9 credit points of Junior level Mathematics including MATH (1002 or 1902). **Assessment:** 3 hour exam, assignments, quizzes.

Cryptography is the branch of mathematics that provides the techniques for confidential exchange and authentication of information sent over public networks. This unit introduces tools from elementary number theory, then applies them to the analysis of block ciphers and stream ciphers, as the foundation for modern public key cryptography.

Textbooks

See School website.

MATH 2069 Discrete Mathematics and Graph Theory

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** 6 credit points of Junior level Mathematics. **Assessment:** Two 1.5 hour exams, assignments, quizzes.

We introduce students to several related areas of discrete mathematics, which serve their interests for further study in pure and applied mathematics, computer science and engineering. Topics to be covered in the first part of the unit include recursion and induction, generating functions and recurrences, combinatorics, including connections with probability theory, asymptotics and analysis of algorithms, set theory and logic. Topics covered in the second part of the unit include Eulerian and Hamiltonian graphs, the theory of trees (used in the study of data structures), planar graphs, the study of chromatic polynomials (important in scheduling problems), maximal flows in networks, matching theory.

MATH 2070 Optimisation and Financial Mathematics

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut or computer lab (alternating weeks), 1 optional computer lab. **Assumed Knowledge:** MATH (1003 or 1903 or 1907). **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902). **Assessment:** 3 hr exam, assignments, quizzes.

Problems in industry and commerce often involve maximising profits or minimising costs subject to constraints arising from resource limitations. The first part of this unit looks at the important class of linear optimisation programming problems and their solution using the simplex algorithm.

The second part of the unit is an introduction to financial concepts and terminology, and some of the methods for pricing securities and evaluating investments in the absence of risk. This includes material on the riskless term structure of interest rates; the modelling of investments modelled by difference and differential equations; arbitrage and the Efficient Market Hypothesis; the net present value and internal rate of return; bonds; simple optimisation problems in finance. The third part of the unit deals with risky securities and investments and includes material on: modelling risky assets by random variables; pricing by the expectations hypothesis; pricing under the principle of expected utility; state space security pricing; complete and incomplete markets. Some understanding of probability theory and statistical distributions is required in this section.

Theory developed in lectures will be complemented by computer laboratory sessions using MATLAB. Minimal computing experience will be required.

MATH 2961 Linear Mathematics & Vector Calculus Adv

6 credit points. **Session:** Semester 1. **Classes:** 4 lec & 1 tut/wk. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003). **Assessment:** 3 hour exam, assignments.

This unit is an advanced version of MATH2061, with more emphasis on the underlying concepts and on mathematical rigour. Topics from linear algebra focus on the theory of vector spaces and linear transformations.

The connection between matrices and linear transformations is studied in detail. Determinants, introduced in first year, are revised

7. Science units of study

and investigated further, as are eigenvalues and eigenvectors. The calculus component of the unit includes local maxima and minima, Lagrange multipliers, the inverse function theorem and Jacobians. There is an informal treatment of multiple integrals: double integrals, change of variables, triple integrals, line and surface integrals, Green's theorem and Stokes' theorem.

MATH 2962 Real and Complex Analysis (Advanced)

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003). **Assessment:** 3 hour exam, assignments.

Analysis is one of the fundamental topics underlying much of mathematics including differential equations, dynamical systems, differential geometry, topology and Fourier analysis. Starting off with an axiomatic description of the real number system, this first course in analysis concentrates on the limiting behaviour of infinite sequences and series on the real line and the complex plane. These concepts are then applied to sequences and series of functions, looking at point-wise and uniform convergence. Particular attention is given to power series leading into the theory of analytic functions and complex analysis. Topics in complex analysis include elementary functions on the complex plane, the Cauchy integral theorem, Cauchy integral formula, residues and related topics with applications to real integrals.

MATH 2963 Math Computing & Nonlinear Systems (Adv)

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut, 1 computer lab/week (lectures in common with MATH2063). **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003). **Assessment:** 3 hr exam, assignments/quizzes.

The content of this unit of study parallels that of MATH2063, but both computational and theory components will place more emphasis on Advanced topics, including Lyapunov exponents, stability, 2- and 3- cycles for mappings and concepts such as strange attractors. No prior knowledge of programming or of the MATLAB language or computer algebra is required.

MATH 2965 Partial Differential Equations Intro Adv

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 computer lab/week (lectures in common with MATH2065). **Prerequisites:** MATH (2961 or Credit in 2061) or {MATH (2901 or Credit in 2001) and MATH (2902 or Credit in 2002)}. **Assessment:** 3 hr exam, assignments.

This unit of study is essentially an Advanced version of MATH2065, the emphasis being on solutions of differential equations in applied mathematics. The theory of ordinary differential equations is developed for second order linear equations, including series solutions, special functions and Laplace transforms. Some use is made of computer programs such as Mathematica. Methods for PDEs (partial differential equations) and boundary-value problems include separation of variables, Fourier series and Fourier transforms.

MATH 2968 Algebra (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002). **Assessment:** 3 hour exam, assignments.

This unit provides an introduction to modern abstract algebra, via linear algebra and group theory. It starts with a revision of linear algebra concepts from Junior Mathematics and MATH2961, and proceeds with a detailed investigation of inner product spaces over the real and complex fields. Applications here include least squares lines and curves of best fit, and approximation of continuous functions by finite Fourier series. Further topics in linear algebra covered in this unit include dual space, quotient spaces and (if time permits) possibly tensor products. The second part of the unit is concerned with introductory group theory, motivated by examples of matrix groups and permutation groups. Topics include actions of groups on sets, including linear actions on vector spaces. Subgroups, homomorphisms and quotient groups are investigated, and the First Isomorphism Theorem is proved.

Textbooks

See School website

MATH 2969 Discrete Mathematics & Graph Theory Adv

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut & 1 practice class/wk. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at the normal level). **Assessment:** Two 1.5 hour exams, assignments, quizzes.

This unit will cover the same material as MATH2069 with some extensions and additional topics.

Textbooks

See School website

MATH 2970 Optimisation & Financial Mathematics Adv

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut or computer lab (alternating weeks), 1 optional computer lab (lectures given in common with MATH2070). **Assumed Knowledge:** MATH (1903 or 1907) or Credit in MATH1003. **Prerequisites:**

MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002). **Assessment:** 3 hr exam, assignments, quizzes.

The content of this unit of study parallels that of MATH2710, but with more emphasis on Advanced topics, including the Fundamental Duality Theorem, game theory, state security prices, risk neutral pricing and binomial option pricing.

Statistics Intermediate units of study

The School of Mathematics and Statistics provides Intermediate units of study, each worth 6 credit points, in Statistics. A normal Intermediate load in a discipline is 12 credit points and students intending to specialise in Senior Statistics should take 2 units of study (12 credit points) of Intermediate Statistics.

Topics are offered at Normal and Advanced levels and may not be counted together.

The units of study (each 6 credit points) are listed below:

February Semester

- Statistical Models STAT 2011
- Probability and Statistical Models (Adv) STAT 2911

July Semester

- Statistical Tests STAT 2012
- Statistical Tests (Advanced) STAT 2912

Further information follows, whilst details of units of study structure, content and assessment procedures are provided in the Intermediate Year Unit of Study Handbook available from the School at the time of enrolment.

Relation to other units of study and recommendations

Students should note that all Senior Statistics units of study have statistics prerequisites and some require MATH 1003 or 1903 or MATH 1002 or 1902. MATH 2061 or MATH 2961 is also desirable.

If your major interest is statistics, then you are encouraged to enrol in 2 units of study (12 credit points) in Intermediate Statistics. If you are considering doing Honours in Statistics, these units of study should be the Advanced units of study, and choices from Intermediate Mathematics should include at least MATH 2061 or 2961.

If you do not intend to major in Statistics but want a solid introduction to Applied Statistics, you should take STAT 2012 in your second semester.

STAT 2011 Statistical Models

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut, 1 computer lab/wk. **Prerequisites:** MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021]. **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

This unit provides an introduction to univariate techniques in data analysis and the most common statistical distributions that are used to model patterns of variability. Common discrete random models like the binomial, Poisson and geometric and continuous models including the normal and exponential will be studied. The method of moments and maximum likelihood techniques for fitting statistical distributions to data will be explored. The unit will have weekly computer classes where candidates will learn to use a statistical computing package to perform simulations and carry out computer intensive estimation techniques like the bootstrap method.

STAT 2012 Statistical Tests

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 computer lab per wk. **Assumed Knowledge:** STAT (2011 or 2002). **Prerequisites:** MATH (1005 or 1905 or 1015). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

This unit provides an introduction to the standard methods of statistical analysis of data: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric tests, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

STAT 2911 Probability and Statistical Models (Adv)

6 credit points. **Session:** Semester 1. **Classes:** 3 lec, 1 tut, 1 computer lab/wk. **Prerequisites:** MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or Credit in 1005). **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

This unit is essentially an advanced version of STAT2011, with an emphasis being on the mathematical techniques used to manipulate random variables and probability models. Common random variables including the Poisson, normal, beta and gamma families are introduced. Probability generating functions and convolution methods are used to understand the behaviour of sums of random variables. The method of moments and maximum likelihood techniques for fitting statistical distributions to data will be explored. The unit will have weekly computer classes where candidates will learn to use a statistical computing package to perform simulations and carry out computer intensive estimation techniques like the bootstrap method.

STAT 2912 Statistical Tests (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** 3 lec, 1 tut, 1 computer lab/wk. **Assumed Knowledge:** STAT (2911 or 2901). **Prerequisites:** MATH1905 or Credit in MATH1005. **Assessment:** 3 hr exam, assignments, quizzes, computer practical reports, one 1hr computer practical class assessment task.

This unit is essentially an advanced version of STAT2012 with an emphasis on both methods and the mathematical derivation of these methods: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric methods, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

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
- 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
- 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 encour-

7. Science units of study

aged 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, 3010, 3015 or 3933, 3016 or 3916, 3019 or 3919, 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, 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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics. **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902, with 2008 or 2908). **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics (strongly advise MATH 2002 or 2902, with 2001 or 2901). **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** (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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec, 1 tut & 1 lab/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics including MATH 2033 or 2933 (and strongly advise MATH 2010 and STAT (2001 or 2901)). **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, introduc-

tion 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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics and one of MATH 1001 or 1003 or 1901 or 1903 or 1906 or 1907. **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** MATH (2001 or 2901) and MATH (2005 or 2905). **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:** Semester 1. **Classes:** 2 lec, 1 tut & 1 lab/wk. **Prerequisites:** MATH (2001 or 2901) and MATH (2005 or 2905). **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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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). **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 3901 Metric Spaces (Advanced)

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2907). **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics (strongly advise MATH 2902). **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Intermediate Mathematics (strongly advise MATH 3902). **Assessment:** One 2hr exam, assignments.

NB: This unit is only offered in odd years.

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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** MATH3902 or Credit in MATH3002, and 12 credit points of Intermediate Mathematics. **Assessment:** One 2hr exam, assignments.

NB: Department permission required for enrolment. 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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

7. Science units of study

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 3914 Fluid Dynamics (Advanced)

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics and one of MATH 1903 or 1907 or Credit in MATH 1003. **Assessment:** One 2hr exam, assignments.

See entry for MATH 3016 Mathematical Computing I.

MATH 3917 Hamiltonian Dynamics (Advanced)

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1hr tut/wk. **Prerequisites:** 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 Pontryagin's principle in optimisation and control theory is discussed.

MATH 3919 Signal Processing (Advanced)

4 credit points. **Session:** Semester 1. **Classes:** 2 lec, 1 tut & 1 lab/wk. **Prerequisites:** MATH 2905 or Credit in MATH 2005. **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:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 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). **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** MATH (2901 or credit in 2001) and (2905 or credit in 2005). **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:** Semester 1. **Classes:** 2 lectures & 1 tutorial per week. **Assumed Knowledge:** MATH2901 and MATH2902. **Prerequisites:** 12 credit points of intermediate mathematics. **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, ω -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:** Semester 2. **Classes:** 2 lec & 2 prac/wk. **Prerequisites:** 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:** Semester 2. **Classes:** 2 lec, 1 lab & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Mathematics including MATH 2933 or Credit in MATH2033 (and strongly advise MATH 2010 and STAT (2001 or 2901)). **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:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** MATH (1003 or 1903 or 1907) and STAT (2003 or 2903). **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:** Semester 1. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Prerequisites:** STAT 2004 (or STAT 1022 for Arts students) and MATH (1002 or 1902). **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:** Semester 1. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Prerequisites:** STAT (2003 or 2903). **Assessment:** One 2hr exam, assignments. Modelling and analysing time-dependent situations containing some dependence structure, ARMA models.

STAT 3004 Design of Experiments

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 tut & 1 computer lab/wk. **Assumed Knowledge:** STAT3002. **Prerequisites:** STAT2004 (or STAT1022 for Arts students) and MATH (1002 or 1902). **Assessment:** One 2hr exam, assignments, one 1hr computer practical exam. Design and analysis of controlled comparative experiments, block designs, Latin squares, split-plot designs, 2^n factorial designs.

STAT 3005 Applied Stochastic Processes

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** MATH (1003 or 1903 or 1907) and STAT (2001 or 2901). **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:** Semester 2. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisites:** 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:** Semester 1. **Classes:** 2 lec & 2 tut/wk. **Prerequisites:** (MATH 2001 or 2901) and STAT 2903. **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:** Semester 1. **Classes:** 2 lec, 1 tut & 1 computer lab/wk. **Prerequisites:** STAT 2004 and (STAT 2903 or Credit in 2003) and (MATH 2002 or 2902). **Assessment:** One 2hr exam, assignments, one 1hr computer practical exam.

Topics in STAT 3002 are treated at an Advanced level, with extensions.

STAT 3903 Time Series Analysis (Advanced)

4 credit points. **Session:** Semester 1. **Classes:** 2 lec, 1 computer class & 1 lec/tut/wk. **Prerequisites:** STAT2903 or Credit or better in STAT2003. **Assessment:** One 2hr exam, assignments.

The topics in STAT3003 are treated at an Advanced level along with an introduction to spectral analysis.

STAT 3904 Design of Experiments (Advanced)

4 credit points. **Session:** Semester 2. **Classes:** 2 lec, 1 computer class & 1 lec/tut/wk. **Prerequisites:** STAT 3902 or credit or better in STAT 3002. **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 3905 Markov Processes (Advanced)

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 2 tut /wk. **Prerequisites:** (STAT2901 or Credit in STAT2001) and MATH (1003 or 1903 or 1907). **Assessment:** One 2hr exam, assignments.

Topics in STAT3005 are treated at an Advanced level, with extensions.

STAT 3907 Multivariate Analysis (Advanced)

4 credit points. **Session:** Semester 2. **Classes:** 2 lec, 1 tut/wk. **Prerequisites:** 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

ENGL 1005 Language and Image

6 credit points. Mr. Ronalds. **Session:** Semester 2, Semester 1. **Classes:** One 1hr lecture and one 2hr workshop. **Assessment:** Two 500wd assignments, one 1500wd essay, one 1.5hr examination, and workshop participation.

NB: Department permission required for enrolment.

This unit of study will introduce student to the construction of meaning in written and visual texts, using Graham Greene's novel *The Quiet American* and the film of the novel as focal points.

A range of other fiction, academic and media texts will be used to explore social processes of textual construction and interpretation. In the workshops, students will learn detailed analytic techniques, including close grammatical analysis, as tools for the interpretation of text and image. The lectures will introduce more descriptive topics, such as historical shifts in relations between language and image, narrative organisation, categories of text, and social agency and power in the production of text.

Textbooks

Greene, G. *The Quiet American* Butt, D., et al., *Using functional Grammar: An Explorer's Guide. A Resource Book* will be available from the University Copy Centre

MECO 1001 Australian Media Studies

6 credit points. Mr. Brennan. **Session:** Semester 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

Alan McKee, *Textual Analysis: A Beginner's Guide*, SAGE London, 2003

Stuart Cunningham and Graeme Turner (eds), *The Media and Communications in Australia*, Allen and Unwin, Sydney, 2001.

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It is recommended that students purchase a reader from the Copy Centre

MECO 1003 Principles of Media Writing

6 credit points. A/Prof Lumby. **Session:** Semester 1. **Classes:** One 2hr lecture, one 1hr tutorial. **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 (20%), one two hour exam (30%), presentation/attendance (10%).
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 and online news, and be introduced to the principles of interviewing and journalistic research.

MECO 2001 Radio Broadcasting

8 credit points. Mr Evans. **Session:** Semester 1. **Classes:** One 2 hour lecture and one 2 hour workshop. **Prerequisites:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS1005. **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 history of radio and to the theory and practice of radio production, by combining theoretical analysis with practical experience. The unit has a strong practical component in which students will research, script, record and edit a radio news story and a radio magazine item.

Textbooks

Phillips, G and Lindgren, M (2002) Australian Broadcasting Journalism Manual, Oxford University Press. It is recommended that students purchase a reader from the Copy Centre

MECO 2003 Media Relations

8 credit points. Dr. Richard Stanton. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 junior credit points of Media & Communications units; ENGL 1050 or 1005 or LNGS1005. **Assessment:** 2500 words of practical assignments, one examination (2hrs).
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.

MECO 3001 Video Production

8 credit points. Dr. Anne Dunn. **Session:** Semester 2. **Classes:** One 2hr lecture, one 2hr workshop. **Prerequisites:** 12 junior credit points of MECO units; ENGL1005 or ENGL1050 or LNGS1005. **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 is an introduction to the theory and practice of digital video production, with a strong practical component, emphasizing information-based programming (news, current affairs, corporate video, documentary and infotainment). Students will be expected to produce short video items individually and in groups, using professional standard desktop editing software.

Textbooks

Mollison, Martha (2003). Producing Videos: A Complete Guide. 2nd edition. AFTRS/Allen & Unwin: Sydney. There is a Reader, available from the University Copy Centre.

MECO 3002 Online Media Production

8 credit points. Ms Crawford. **Session:** Semester 1. **Classes:** one 1hr lecture, one 2hr tutorial. **Prerequisites:** MECO3001. **Assessment:** One web site worth 45%; one production log (10%); one two hour exam (30%); one web site proposal (10%); tutorial participation (5%).
NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.
This unit will examine the role of the Internet, new media and the way the web is changing the media landscape. It explores the development and growth of the Internet, and provides a critical framework in which to understand the current industry. By the end of the unit, students will be familiar with key theoretical and cultural issues in online media, and will engage in both offline and online analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will design and develop their own web sites.

Textbooks

Gauntlett, David, Web.Studies: Rewiring media studies for the digital age, London: Arnold, 2nd ed, 2004, pp.250, ISBN 0340814721

It is recommended that students purchase a reader from the Copy Centre

MECO 3003 Media, Law and Ethics

8 credit points. A/Prof. Lumby. **Session:** Semester 2. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 junior credit points of MECO units; ENGL1005 or ENGL1050 or LNGS1005. **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.
MECO3003 will introduce students to key legal and ethical issues relevant to journalism and the professional fields of public communication. Students will be given an introductory survey of the main ethical theories in Western thought to establish a framework within which to examine specific ethical issues that relate to media. They

will also be introduced to the structure of Australia's legal system and to those aspects of the law that impinge on the work of media professionals.

Textbooks

Remote Control: New Media, New Ethics, Cambridge University Press, Melbourne 2003

Pearson, Mark (2004) The Journalist's Guide to Media Law, Allen and Unwin

MECO 3005 Media Globalisation

8 credit points. Mr. Brennan. **Session:** Semester 1. **Classes:** one 2hr lecture, one 1hr tutorial. **Prerequisites:** 12 junior credit points of MECO units; ENGL1005 or ENGL1050 or LNGS1005. **Assessment:** Book Review 20%; Presentation 25% Tutorial attendance and participation 10%; Essay 45%.

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 and a global media.

MECO 3701 Media and Communications Internship

8 credit points. Ms Blue. **Session:** Semester 1, Semester 2. **Prerequisites:** MECO3002 and MECO 3003. **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report. The internship is assessed on a satisfactory/un-satisfactory basis.

NB: Available to BA(Media and Commun) and BSc (Media & Commun) students only.

The internship consists of a work placement comprising 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. Ms Blue. **Session:** Semester 1, Semester 2. **Prerequisites:** MECO3002 & MECO3003. **Corequisites:** MECO3701. **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%. Students will be required to present a journal recounting their experiences during the internship and in consultation with a supervisor, will formulate a topic for their 4000 word research essay.

NB: Available to BA(Media and Commun) and BSc (Media & Communications) students only.

Students will be required to present a journal recounting their experiences during the internship and, consultation with a supervisor, will formulate a topic for their 5000 word research essay.

Textbooks

Stokes, Jane (2002) How to do Media and Cultural Studies, London: Sage

Medical Science units of study

Bachelor of Medical Science Junior units of study

All prerequisite and corequisite units of study, details of staff, examinations, units of study delivery and descriptions are as described under the appropriate Department or School entry in this chapter.

Bachelor of Medical Science Intermediate Core units of study

BMED 2801 Cell Structure and Function

6 credit points. A/Prof. Robin Allan. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, continuous assessment, prac reports.

This unit of study begins with a discussion of the unique morphology of unicellular prokaryotic organisms (bacteria, fungi and viruses) followed by the structure and function of human cells. A strong understanding of cellular structures is essential for an appreciation of whole body function. Basic cell structure is examined by focussing on cell specialisation and tissue organisation in humans. The structure and function of excitable cells such as nerve and muscle will lead to a discussion of membrane potential, synaptic transmission and neuromuscular junction. The unit of study then gives an introduction into how gene expression is regulated during development, and how the cell cycle is controlled to coordinate programmed events such as differentiation and cell death. This allows discussion of the consequences and treatment of abnormal tissue growth (cancer). Practical classes not only complement the lecture material but also introduce students to a wide range of technical skills, tissue processing and bacterial cultivation. In addition, the sessions are also designed to provide students with generic skills such as record keeping, data collection and presentation, protocol planning and written communication.

BMED 2802 Molecular Basis of Medical Sciences

6 credit points. Prof Richard Christopherson. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, prac reports. This unit of study extends pre-existing understanding of the way in which genetic information is stored, transmitted and expressed. Students will be introduced to the role of enzymes in the catalysis of cellular reactions and the pharmacological strategies employed

to exploit our knowledge of these mechanisms is then discussed. Intracellular signalling cascades, cell to cell signalling and pharmacological intervention in these processes is covered. The molecular basis of drug action and the use of DNA technology in drug design will be discussed. Students will then cover the application of medical genetics to the study of advanced gene expression, recombinant technology, cloning and gene products, transgenics and the linkage and mapping of genes including reference to DNA fingerprinting and the human genome project and gene therapy. The technical skills taught in the practical classes include the use of restriction enzymes, the separation of DNA molecules using electrophoresis, the inspection of chromosomes, linkage mapping, gene transfer and the measurement of gene expression. In addition to nurturing the skills involved in the design and execution of experiments, the practical sessions will formally teach students report writing skills and will give students practice at articulating feedback to their peers.

BMED 2803 Cardiac, Respiratory and Renal Function

6 credit points. Dr I Schneider. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, essay, prac reports.

The maintenance of constant conditions in the human body is dependent on thousands of intricate control mechanisms. This unit of study examines many of those homeostatic processes with specific reference to major apparatus such as the respiratory, cardiovascular and renal. The structure and function of the cardiovascular system is discussed and cardiac output, blood pressure and blood flow are studied. Discussion of the respiratory system embraces the structure of the respiratory organs and description of the mechanism of the transport of gases to and from cells. Similar treatment of the renal system involves anatomical and histological investigation of kidney structure and a physiological description of kidney function. Practical classes are designed to nurture the same generic attributes taught in BMED2801 and BMED2802 but, in addition, students are introduced to a wide range of anatomical and physiological technical skills. Specifically, students will investigate the structure and function of the heart and blood vessels, the components of the respiratory system and the kidney - all at the cellular and organ level. Students will also conduct experiments (often on themselves) which show how heart rate and blood pressure are controlled, how breathing is regulated and how urine output is modulated in response to both physiological and pharmacological stimuli.

BMED 2804 Digestion, Absorption and Metabolism

6 credit points. Dr Margot Day. **Session:** Semester 1. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, prac reports.

This unit of study gives an introduction to the structures used to digest and absorb fuels, at both the anatomical and histological level. This is then followed by discussion of the utilisation and fate of absorbed nutrients. After an overview of the alimentary tract and associated organs, the detailed anatomy of the oral cavity, oesophagus, stomach, intestines, liver, etc is considered. This is complemented by description of the specialised cell types in the digestive system, discussion of the transport mechanisms employed to absorb nutrients, and consideration of the control systems used to regulate activity of the digestive process. The role of intestinal microflora in the gastrointestinal tract, contributing to both beneficial digestion and absorption of nutrients, as well as to pathogenic disruption, is also discussed in this unit of study. The fundamentals of metabolism are introduced, in particular, the chemical reactions that are responsible for fuel processing. The pharmacokinetic angle is explored further with discussion of the metabolism and absorption of drugs including the detoxification and excretion of xenobiotic compounds. Practical classes give students extensive experience with inspection of the digestive system at both the cellular and gross anatomical level. The peristaltic reflex and pharmacological influences are explored. These sessions are designed to nurture observation, data analysis, record keeping and report writing skills.

BMED 2805 Hormones, Reproduction and Development

6 credit points. Françoise Janod-Groves. **Session:** Semester 2. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, essay, prac reports.

This unit of study examines hormonal control of human body processes. Specifically, students will investigate the structure and function of endocrine glands: the pituitary, thyroid and pancreas - all at the cellular and organ level. Examples of the influence of hormones on metabolic processes are provided by consideration of fuel selection during exercise and starvation, and diabetes and obesity. This enables students to appreciate the extent of the contribution of hormones to organ co-ordination in response to circumstances such

as starvation, obesity, exercise and diabetes. Students extrapolate to consider the regulation of fuel selection during exercise and the cause of fatigue. The fate of the macronutrients (carbohydrate, fat and protein) is then considered by reference to their uptake, disposal and reassembly into storage fuels and cellular structures. The biochemical pathways involved in the extraction of energy from the macronutrient fuels are then covered, with particular emphasis on the whole body integration and regulation of these metabolic processes. This leads onto discussion of performance enhancing drugs and also provides a solid background for the understanding of pharmacological intervention in these conditions. The hormones involved in reproduction, contraception, fertilisation and pregnancy are also discussed, leading on to foetal-new-born transition and discussion of the development of the human embryo and cell differentiation. In the practical classes, students are introduced to a wide range of biochemical technical skills. Specifically, students will investigate the structure and function of the important endocrine glands - all at the cellular and organ level. Students will design a biochemical kit for the evaluation of blood glucose and will perform a glucose tolerance test to investigate how glucose levels are regulated and modulated in response to a glucose load. In addition, sessions are designed to nurture oral presentation skills, hypothesis testing, data analysis, troubleshooting, instruction writing and feedback skills.

BMED 2806 Sensory and Motor Functions

6 credit points. Dr Richard Ward. **Session:** Semester 2. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, prac reports.

This unit of study examines how neural and motor systems are adapted to sense and respond to changes in the external environment. After consideration of the basic anatomical organisation of the nervous and sensory systems, the way in which nerve signals are integrated and co-ordinated in response to external stimuli are covered in more detail. Various senses such as vision, touch and hearing are studied, together with a discussion on motor reflexes. The receptors involved in normal modes of communications are discussed before specific examples such as the fright and flight and stress responses are considered. This is complemented by discussion of the effects of drugs on the nervous system, with special reference to pain and analgesics. An appreciation is gained of how toxins and infections can perturb the normal neuromuscular co-ordination. Thus pharmacological and pathological considerations, such as the use of poisoned arrows and muscle paralysis and viral and tetanus infections, are studied in concert with relevant physiological concepts. In practical classes, students perform experiments (often on themselves) to illustrate the functioning of the senses and motor control and co-ordination involving both stretch and flexor reflexes. In addition, students extend their anatomical expertise by examining the structure and function of the nervous system and the skeleton (especially the vertebral column, the thorax and the limbs). Practical sessions also include the effects of analgesics on experimental pain and case studies of tetanus and botulism. The practical sessions draw widely on, and nurture, the generic skills taught in preceding units of study but particularly in BMED2804 and BMED2805.

BMED 2807 Microbes and Body Defences

6 credit points. Helen Agus. **Session:** Semester 2. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, continuous assessment, prac reports.

This unit of study begins by introducing the concepts of disease transmission, pathogenicity and virulence mechanisms of microbes. How the body deals with injury and infection is discussed by exploring host defences. Sections on wound healing, clotting and inflammation cover the response to physical damage and this is complemented by discussion of the pharmacological basis of anti-inflammatory agents and anti-coagulants. For a full understanding of the process of infection, it is necessary to have an appreciation of the range of pathogens and injuries to which the body must cope. Therefore this unit of study examines the structure and function of pathogenic microorganisms (including bacteria, fungi, protists, and viruses, etc). The response of the body to pathogen invasion is studied by discussion of both molecular and cellular immune responses. In particular, this gives students an appreciation of the structure, production and diversity of antibodies, the processing of antigens, operation of the complement system and recognition and destruction of invading cells. This allows students to appreciate the basis of derangements of the immune system and the mechanism of action of immuno-modulatory drugs. Practical classes allow students to obtain experience in, and an understanding of, a range of techniques in classical and molecular virology, bacteriology and immunology. In addition, the practical ses-

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sions draw widely on, and nurture, the generic skills taught in preceding units of study.

BMED 2808 Disease in Society

6 credit points. Dr H Briscoe. **Session:** Semester 2. **Classes:** 2 lec; 5 tut or prac every 2 weeks. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study. **Assessment:** One 2hr exam; on-line quizzes, continuous assessment, prac reports.

Disease in Society seeks to integrate basic knowledge of important diseases, ranging from metabolic diseases through infections and heart disease to 'social' diseases such as drug addiction and use of psychoactive compounds. About half the unit considers infectious diseases: viral, bacterial, fungal and parasitic. The other half looks at inherited disorders, cardio-respiratory disorders such as angina, heart failure and asthma. Society's approaches to dealing with these diseases - whether by pharmacological intervention, counselling or lifestyle change are discussed. Putting the disease in the relevant social context is emphasized in all aspects of the unit.

The impact of bacteria and viruses on individuals and society is taught with reference to specific infectious diseases (eg influenza, polio, herpes, etc) and this leads into an introduction of epidemiology. Included in the discussion of the way in which these organisms cause and transmit disease is a consideration of how antibiotics and antiviral drugs work and how microbes can become drug resistant.

Practical classes are designed to complement the lectures and provide a 'hands-on' experience in investigating disease. Students will use techniques ranging from simple histology to molecular biology in these investigations. Also included are tutorial sessions in which hospital microbiologists guide students through clinical case studies and in an integrated session, students examine the infection, immunity and pathology of tuberculosis. These sessions are designed to nurture an appreciation of the importance of an integrative approach to the study of disease in today's society. The generic skills taught in preceding units of study are further reinforced.

Bachelor of Medical Science Senior Core units of study

Students are required to complete at least 36 credit points of Senior units of study chosen from the core subject areas of Anatomy and Histology, Biology (Genetics), Biochemistry, Cell Pathology, Immunology, Infectious diseases, Microbiology, Pharmacology and Physiology, as listed in Table IV. Descriptions are listed here 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:** Semester 2. **Classes:** 3 lec, 1 tut & 8 prac/wk. **Prerequisites:** 32 credit points of Intermediate BMED units including BMED 2506. **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:** Semester 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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: 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

All students in the Bachelor of Medical Science can elect to take a maximum of 12 credit points of elective units in order to complete the requirements of the degree. This is an opportunity for students to study subjects outside the confines of the Medical Science degree. These elective units are taken in the Senior year.

There are almost no restrictions on what units may be taken as electives. Students may take further units in subjects which do not form part of the Intermediate and Senior core of the BMedSc degree, for example, Mathematics, Chemistry or Physics. They may choose subjects from other Science discipline areas which they have not previously studied, for example, Computer Science or Geology. Alternatively they may choose to study a subject from another faculty, for example, a language.

Exactly what elective units of study are taken, and when, is constrained principally by timetable considerations.

Students may not take additional units in medical science discipline area units in order to meet the elective requirements. In particular students may not enrol in any of the following subjects:

Anatomy and Histology

- ANAT 2008 Principles of Histology
- ANAT 2009 Comparative Primate Anatomy
- ANAT 2010 Concepts in Neuroanatomy

Biochemistry

- BCHM 2002 Molecules, Metabolism and Cells
- BCHM 2102 Molecules, Metabolism and Cells Theory
- BCHM 2072 Human Biochemistry
- BCHM 2972 Human Biochemistry (Advanced)

Biological Sciences

- BIOL 2016 Cell Biology
- BIOL 2916 Cell Biology (Advanced)

Immunology

- IMMU 2101 Introductory Immunology

Microbiology

- MICR 2021 Introductory Microbiology
- MICR 2921 Introductory Microbiology (Advanced)
- MICR 2022 Applied Microbiology
- MICR 2922 Applied Microbiology (Advanced)
- MICR 2024 Microbes in the Environment

Molecular Biology and Genetics

- MBLG 2001 Molecular Biology and Genetics A
- MBLG 2101 Molecular Biology and Genetics A (Theory)
- MBLG 2771 Molecular Biology and Genetics A
- MBLG 2871 Molecular Biology and Genetics A (Adv)
- MBLG 2072 Molecular Biology and Genetics B
- MBLG 2972 Molecular Biology and Genetics B (Adv)

Pharmacology

- PCOL 2011 Pharmacology Fundamentals
- PCOL 2012 Intro Pharmacology: Drugs and People

Physiology

- PHSI 2005 Integrated Physiology A
- PHSI 2905 Integrated Physiology A (Advanced)
- PHSI 2006 Integrated Physiology B
- PHSI 2906 Integrated Physiology B (Advanced)

Beyond this there are no restrictions on the subjects which may be taken as electives. Students should note, however, that there may be restrictions on enrolment in particular units imposed by other faculties.

Students should consult degree information in Chapter 2, the Tables earlier in this chapter and the handbooks of other faculties for details of other possible choices.

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, e.g. biochemistry, genetics and botany.

Microbiology Intermediate units of study

MICR 2021 Introductory Microbiology

6 credit points. Dr Peter New. **Session:** Semester 1. **Classes:** 2.5 lec, 0.5 tut or prac & 2.0 prac/wk. **Prerequisites:** (6 credit points of Junior Biology or MBLG 1001) and 6 credit points of Junior Chemistry. **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: For progression on to Senior Microbiology units, students must also complete MBLG1001 and MICR (2022 or 2922)

This unit of study aims to give the student sufficient knowledge and technical skills to provide a foundation for future study of microbiology. It is also suitable for students requiring a working knowledge of microbiology while specialising in related fields e.g. molecular biology.

Topics covered include history and scope of microbiology, methodology, comparative study of the major groups of microorganisms (bacteria, algae, protozoa, fungi and the viruses), a detailed study of bacteria including structure, classification and identification, growth, death and control.

An introduction to microbial ecology of soil and water, as well as examples of microbial interactions illustrates the significance of

microorganisms in the global, natural cycles of synthesis and degradation.

The practical component focuses on basic, safe microbiological techniques and the use of these to study examples of microbial activity which are illustrative of the lecture series.

Textbooks

Prescott L M et al. Microbiology. 6th edn, WCB/McGraw-Hill, 2004

MICR 2022 Applied Microbiology

6 credit points. Dr Peter New. **Session:** Semester 2. **Classes:** 2.5 lec, 0.5 tut or prac & 2.0 prac/wk. **Prerequisites:** MICR (2021 or 2921 or 2001 or 2901) except for students taking MICR2024. **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: For progression on to Senior Microbiology units, students must also complete MBLG1001

This unit of study is designed to expand the understanding of, and technical competence in, microbiology, building on the knowledge and skills acquired in Microbiology 2021 or 2921.

The lectures cover two broad topics: molecular microbiology of the organism and microbial biotechnology and applications. The molecular microbiology 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 and agricultural microbiology (production, spoilage and preparation, as well as the safety of foods) and aspects of public health and medical microbiology (host parasite relationships, host defences, epidemiology of selected diseases, prevention of disease). Industrial microbiology deals with large scale production, traditional products, recombinant DNA products, biosensors and biocontrol agents, biodeterioration and bioremediation.

Practical classes enable the study of material which both complements and supplements the lecture topics.

Work experience

On completion of MICR 2022 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

Prescott L M et al. Microbiology. 6th edn, WCB/McGraw-Hill, 2004

MICR 2024 Microbes in the Environment

6 credit points. Dr Andrew Holmes. **Session:** Semester 2. **Classes:** 2 lectures and 3 prac/week. **Prerequisites:** 30 credit points of junior Science or Faculty of Food, Agriculture and Natural Resource units including 6 credit points of Junior Biology. **Assessment:** One 2hr exam, weekly on-line quiz, project report and seminar.

NB: For progression on to Senior Microbiology units, students must also complete MBLG1001 and MICR2022.

This unit introduces the diversity of microbes found in soil, water, air, plants and animal environments. Through an examination of their physiology and genetics it explores their interactions with plants, animals and each other, and their roles as decomposers and recyclers in the environment. The soil is a rich microbial environment, and the concept of soil health and its relationship to plant growth is discussed. Practical classes introduce techniques and skills in isolating, quantifying and culturing microbes, designing and interpreting experiments to study microbial growth, and in preparing and presenting data.

Textbooks

Atlas RM and Bartha R (1997) Microbial Ecology: Fundamentals and applications. 4th Edition. Benjamin/Cummings Scientific Publishing, Menlo Park, CA

MICR 2921 Introductory Microbiology (Advanced)

6 credit points. Dr Peter New. **Session:** Semester 1. **Classes:** 2.5 lec, 0.5 tut or prac & 2.0 prac/wk. **Prerequisites:** 6 credit points of Junior Chemistry and Distinction in 6 credit points of Junior Biology or MBLG1001. **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: For progression on to Senior Microbiology units, students must also complete MBLG1001 and MICR (2022 or 2922)

This unit of study is based on MICR2021 with approximately nine alternative lectures/tutorials on advanced aspects of the material covered in MICR2021. The content and nature of these components may vary from year to year.

Textbooks

As for MICR2021

MICR 2922 Applied Microbiology (Advanced)

6 credit points. Dr Peter New. **Session:** Semester 2. **Classes:** 2.5 lec, 0.5 tut or prac & 2.0 prac/wk. **Prerequisites:** Distinction in MICR (2021 or 2921 or 2001 or 2901 or 2024). **Assessment:** One 2hr exam, continuous assessment in prac, 2 assignments, prac exam.

NB: For progression on to Senior Microbiology units, students must also complete MBLG1001

This unit of study is based on MICR2022 with approximately nine alternative lectures/tutorials on advanced aspects of the material covered in MICR2022. The content and nature of the alternative components may vary from year to year.

Textbooks

As for MICR 2021

Microbiology Senior units of study**MICR 3001 General and Medical Microbiology**

12 credit points. Mrs Helen Agus. **Session:** Semester 1. **Classes:** 3 lec, 8 prac/wk. **Prerequisites:** 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. **Assessment:** One 2hr exam and one 1hr exam, essay, prac.
NB: From 2006 the prerequisites will be: MICR (2022 or 2922 or 2002 or 2902) and MBLG (1001 or 2001 or 2901 or 2771 or 2871).

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:** Semester 2. **Classes:** 3 lec, 8 prac/wk. **Prerequisites:** 12 credit points of Intermediate Microbiology and MBLG (2101 or 2001 or 2901). **Assessment:** One 2 hr exam and one 1 hr exam, prac.
NB: From 2006 the prerequisites will be: MICR (2022 or 2922 or 2002 or 2902) and MBLG (1001 or 2001 or 2901 or 2771 or 2871).

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:** Semester 1. **Classes:** 4 lec, 8 prac/wk. **Prerequisites:** MBLG (2101 or 2001 or 2901) and [12 credit point 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. **Assessment:** Two 2hr exams and one 1hr exam, essay, prac.
NB: From 2006 the prerequisites will be: MICR (2021 or 2921 or 2001 or 2901 or 2024) and MICR (2022 or 2922 or 2002 or 2902), including 6 credit points at Distinction level and MBLG (1001 or 2001 or 2901 or 2771 or 2871).

This unit of study is available to students who have performed well in MICR (2001 or 2901, and 2002, 2004 or 2902) and is based on MICR3001 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year. 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:** Semester 2. **Classes:** 4 lec, 8 prac/wk. **Prerequisites:** 12 credit points of Intermediate Microbiology including one Distinction, and MBLG (2101 or 2001 or 2901). **Assessment:** Two 2hr exams and one 1.5hr exam, essay, prac.
NB: From 2006 the prerequisites will be: MICR (2022 or 2922 or 2002 or 2902) at Distinction level and MBLG (1001 or 2001 or 2901 or 2771 or 2871).

This unit of study is available to students who have performed well in MICR (2001 or 2901, and 2002, 2004 or 2902) and is based on MICR 3002 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year. 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:** Semester 2. **Classes:** 3 lec, 8 prac/wk. **Prerequisites:** 32 credit points of Intermediate BMED units including BMED 2506. **Assessment:** One 2 hr exam, and one 1 hr 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:** Semester 2. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 32 credit points of Intermediate BMED units including Distinction or better in BMED 2506. **Assessment:** Two 2hr exams and one 1hr 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:** Semester 2. **Classes:** 3 lec, 8 prac/wk and 4 discussion sessions. **Prerequisites:** MICR 2909. **Assessment:** One 2hr exam and one 1hr theory exam, practical and an essay based on discussion sessions.

NB: From 2006 the prerequisites will be: MICR (2022 or 2922 or 2002 or 2902) and MBLG (2071 or 2971 or 2001 or 2901 or 2771 or 2871)

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:** Semester 2. **Classes:** 4 lec & 8hrs prac/wk and 4 discussion sessions. **Prerequisites:** Distinction in MICR 2909. **Assessment:** Two 2hr exams and one 1hr theory exam, practical, and an essay based on discussion sessions.

NB: From 2006 the prerequisites will be: MICR (2022 or 2922 or 2002 or 2902) at Distinction level and MBLG (2071 or 2971 or 2001 or 2901 or 2771 or 2871)

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) 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 2771/2871 and BCHM2071/2971 are coordinated by the School of Molecular and Microbial Biosciences while the second semester units, MBLG 2072/2972 and BCHM2072/2972 are coordinated by the School of Biological Sciences.

MBLG 1001 Molecular Biology and Genetics (Intro)

6 credit points. Dr Dale Hancock. **Session:** Semester 2. **Classes:** 2 lec/wk, 5 h prac each alternate wk. **Assumed Knowledge:** 6 credit points of Junior Biology and 6 cp of Junior Chemistry. **Assessment:** One 2h theory exam, one 1h theory of practical exam, in-semester skills test, practical report and two assignments.

The lectures in this Unit of Study introduce the "Central Dogma" of molecular biology and genetics - i.e., the molecular basis of life. In the beginning, students are introduced to the information-containing macromolecules (protein and nucleic acids) and this is followed by a review of how the structure of proteins allows them to fulfil their biological role as structural and catalytic molecules, and how the sequence of DNA is used to encode genetic information. The packaging of DNA into chromosomes, the replication of DNA and the repair of damaged DNA are then covered. A description of the process of reading the information in DNA (translation to RNA) and the control of the expression of genetic information is then presented. This leads on to discussion of translation (the formation of proteins).

The unit concludes with an introduction into the techniques of molecular biology and, in particular, how bacteria and restriction enzymes have allowed an explosion of interest and research endeavour in Molecular Biology.

The practical component complements the lectures by exposing students to experiments which explore the measurement of enzyme activity, the isolation of DNA and the 'cutting' of DNA using specialised restriction enzymes. However, a key aim of the practicals is to give students higher level generic skills in computing, communication, criticism, data analysis/evaluation and experimental design. Students perform practical sessions in small groups and so teamwork and problem solving form an integral part of each activity. In addition to generic skills, students will learn important laboratory/technical abilities with an emphasis on equipment used in modern molecular biology research.

Textbooks

Malacinski, G M & Freifelder, D The Essentials of Molecular Biology (4th edition, Jones and Bartlett, 2003)

MBLG 2001 Molecular Biology and Genetics A

8 credit points. A/Prof Whitelaw, Dr Hancock. **Session:** Summer. **Classes:** 3 lec & 5 prac/wk & voluntary tutorials. **Prerequisites:** 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 Co-ordinator. For Combined BAppSc(Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF. **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 i.e. 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.

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:** Summer. **Classes:** 3 lec wk. **Prerequisites:** 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901). **Assessment:** One 3 hr theory exam.

This unit of study is comprised of the lecture component of MBLG 2001.

MBLG 2771 Molecular Biology and Genetics A

6 credit points. A/Prof Merlin Crossley. **Session:** Semester 1. **Classes:** 2 lec/wk, 1 tut/fortnight, 4hr prac/fortnight. **Prerequisites:** BIOL (1001 or 1101 or 1901) except for students co-enrolled in BCHM 2071/2971 and 12 credit points of Junior Chemistry. For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree the completion of all Junior units listed in Table IF. **Assessment:** One 2hr theory exam, a 1hr theory of practical exam, 2 prac reports and 5hrs of class based practical skills testing. 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. 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

Watson, J. et al. Molecular Biology of the Gene (5th edition, Pearson, 2004)

MBLG 2871 Molecular Biology and Genetics A (Adv)

6 credit points. A/Prof Merlin Crossley. **Session:** Semester 1. **Classes:** 2 lec/wk, 1 tut/fortnight, 4hr prac/fortnight. **Prerequisites:** BIOL (1001,1101 or 1901) except for students co-enrolled in BCHM 2071/2971 and 12 credit points of Junior Chemistry. 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 two of the prerequisite units of study. **Assessment:** One 2hr theory exam, a 1hr theory of practical exam, 2 prac reports and 5hrs of class based practical skills testing.

NB: The completion of 6 credit points of MBLG units of study is highly recommended. Extension of concepts presented in MBLG2771 which will be taught in the context of practical laboratory experiments.

Textbooks

Watson, J. et al. Molecular Biology of the Gene (5th edition, Pearson, 2004)

MBLG 2072 Molecular Biology and Genetics B

6 credit points. **Session:** Semester 2. **Classes:** 2/3 lectures alternate weeks (av 2.5 hrs). 2-4 hours prac per week (av 2.5 hrs). One tutorial every second week included in prac timetable. **Assumed Knowledge:** One of MBLG2771, MBLG2001, MBLG2871, MBLG2901. **Prerequisites:** 12 credit points of Junior Chemistry and BIOL (1001 or 1101 or 1901). **Assessment:** One 2 hr exam (50%), laboratory reports (30%), quizzes (20%).

This unit of study builds on the concepts introduced in MBLG2771 and shows how modern molecular biology is being applied to the study of the genetics of all life forms from bacteria through to complex multicellular organism including plants, animals and humans. Lecture topics include classical Mendelian genetics with an emphasis on its molecular basis, cytogenetics, bacterial genetics and evolution, population genetics and molecular evolution, bioinformatics and the techniques and applications of molecular genetics. The way in which modern molecular techniques have increased our knowledge in the field of developmental biology will be examined in lectures on the developmental genetics of plants animals and insects and control of gene expression.

Practical: Laboratory exercises will utilize a variety of prokaryotic and eukaryotic organisms to illustrate aspects of the lecture material, while developing familiarity and competence with equipment used in molecular techniques, microscopes, computers and statistical tests. Generic skills are developed in report writing, oral presentation, problem solving and data analysis.

Textbooks

Griffiths, A.J.F., Wessler, S.R., Lewontin, R.C., Gelbart, W.M., Suzuki, D.T. and Miller, J.H. (2004) Introduction to Genetic Analysis. 8th ed. Freeman.

MBLG 2972 Molecular Biology and Genetics B (Adv)

6 credit points. **Session:** Semester 2. **Classes:** 2/3 lectures alternate weeks (av 2.5 hrs). 2-4 hours prac per week (av 2.5 hrs). One tutorial every second week included in prac timetable. **Prerequisites:** Distinction in one of MBLG2771, MBLG2001, MBLG2871, MBLG2901. **Assessment:** One 2 hr exam (50%), laboratory reports (30%), quizzes (20%).

Qualified students will participate in alternative components of MBLG2072, Molecular Biology and Genetics B. The content and nature of these components may vary from year to year. This is a core Intermediate unit of study in the B.Sc. (Molecular Biology and Genetics) award course. See prerequisites for Senior units of study in Biology.

Textbooks

Griffiths, A.J.F., Wessler, S.R., Lewontin, R.C., Gelbart, W.M., Suzuki, D.T. and Miller, J.H. (2004) Introduction to Genetic Analysis. 8th ed. Freeman.

Molecular Biotechnology

MOBT 2102 Molecular Biotechnology 2

6 credit points. Dr Rachel Codd. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisites:** 12 credit points of Junior Biology and 12 credit points of Junior Chemistry. **Assessment:** One 2 hour theory exam (70%) and in-semester assessments (30%). NB Students must pass the theory exam to pass the unit overall.

NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

The main purpose of this unit of study is to introduce students to the core concepts of modern molecular biotechnology and build a base for future study in this discipline. It assumes students will have knowledge of Molecular Biology and Genetics through previous study of MBLG1001 and MBLG2771/2871 and concurrent study of MBLG2072/2972. It commences with an introduction to the biotechnology revolution and its impact worldwide. Students are then introduced to how large biomolecules are exploited in drug discovery with discussions of structural diversity in macromolecules, the construction of synthetic peptide and oligonucleotide combinatorial libraries, the uses and screening of such libraries in drug discovery together with examples from industry. This unit proceeds with considerations of the chemical synthesis of pharmaceuticals to specific drug targets. Structure-activity relationships, the use of biomolecules such as proteins versus natural products in drug design, the role of DNA as a drug target, and the importance of metals ions are all discussed together with case studies from industry. Issues associated with pharmaceutical stability and metabolism are then described. The unit concludes with an overview of the commercialization of discoveries in science with consideration given to the role of researchers, university and industry interactions, and regulatory and patent issues. This is followed by an appreciation of the societal impact and ethics of biotechnology, including how the industry and researchers interact with, and inform, the public. Guest lecturers will contribute to these presentations to help students develop an appreciation of emerging areas in molecular biotechnology from a broad perspective.

Textbooks

Molecular Biotechnology: Principles and Applications of Recombinant DNA, Bernard R. Glick and Jack J. Pasternak, 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

MOBT 3102 Molecular Biotechnology 3B

6 credit points. Dr Kevin Downard. **Session:** Semester 2. **Classes:** 2 lec, 1 tut/wk & 25 hrs industry related project over the semester. **Prerequisites:** For 2005 entry:

7. Science units of study

MOBT2002 From 2006: MOBT3101. **Assessment:** Presentation, project report and theory exam.

NB: NB: This unit of study is only available to students in the BSc (Molecular Biotechnology).

This Senior unit of study builds on the knowledge gained in earlier units of modern molecular biotechnology. It emphasises applications of molecular biotechnology including product design, research and development, and the importance of recognising industry trends. This will typically involve detailed industry case studies, on-site visits, and interactions with industry partners in association with university staff. Lectures will address emerging tools in the discovery and application of molecular biotechnology. To maximize future opportunities, students will learn about funding and research and development models, partly through Australian or overseas case studies. Guest lecturers will contribute and help students develop an appreciation of emerging areas in molecular biotechnology. As well as industry-relevant experience, subject areas include biotech company success stories, techniques in molecular biotechnology and drugs from natural products.

Textbooks

"Molecular Biotechnology: Principles and Applications of Recombinant DNA", Bernard R. Glick and Jack J. Pasternak, 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

School of Molecular and Microbial Biosciences

The School brings together Biochemistry, Microbiology, Molecular Biotechnology and Nutrition, with separate study codes BCHM, MICR, MOBT [see Table IE for details of the BSc (Molecular Biotechnology)] and NUTR [see Table IF for details of the BSc (Nutrition)]. Significant contributions are also made to the Intermediate faculty units of study in Molecular Biology and Genetics with study code MBLG.

Unit descriptions

Unit descriptions are located under separate headings in this chapter:

- Biochemistry
- Microbiology
- Molecular Biotechnology
- Molecular Biology and Genetics
- Nutrition.

Location

The School is located in the Biosciences Building (G08), across City Road in the Darlington area behind the Wentworth Building.

Nanoscience and Technology

Nanoscience and Technology is an interdisciplinary major offered within the BSc. It is directed at students interested in understanding the emerging science of working and building at and near the molecular level. It incorporates study of the fundamental sciences in order to understand the structure of matter, as well as technological elements of the mechanical properties of materials. Students undertaking this major are strongly encouraged to take suitable units from the Faculty of Engineering in combination with Physics and Chemistry.

A student seeking to complete this major should study Physics and Chemistry in their Junior and Intermediate years together with some Engineering and Mathematics. In the Senior year it is possible to focus on two of the three discipline areas, or to continue to study elements of all three. This major may also be seen as a complement to a traditional major in Chemistry or Physics. Refer to Table 1 for an enrolment guide and to entries under the contributing schools and departments for unit descriptions. Engineering units are described in the Engineering Handbook.

Neuroscience

Coordinator: Dr Karen Cullen (Anatomy)

'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 I 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

NUTR 2911 Food Science Introductory (Advanced)

6 credit points. Dr Kim Bell-Anderson. **Session:** Semester 1. **Classes:** 2 lectures, 3 prac/wk. **Prerequisites:** CHEM (1101 or 1901 or 1903 or 1909) and CHEM (1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Corequisites:** MBLG2771 (or MBLG2871), PHSI2005. **Assessment:** One 3hr exam, one assignment, five prac reports.

NB: From 2006 the prerequisites will be MBLG 1001 and 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).

Foods as commodities: Food use around the world, including the origin, history, cultural and nutritional importance of each the following major human foods.

Food Behaviour: Physical and chemical composition of various commodities, Behaviour and function of the commodity during culinary processes, spoilage of the commodity.

Geography of foods: Understanding of the global food distribution, food abundance and food scarcity, the problems of nutrition in very poor countries and the potential of food aid to minimise food problems.

Macronutrients: Energy, protein, fat, carbohydrate, fibre, water, alcohol consumption patterns, requirements for health, absorption, metabolism and health/disease significance.

Practical: Organoleptic assessment of food: vision, smell, taste and tactile. Food flavour, texture and consistency. Enzymic and non-enzymic browning in foods: desirable versus undesirable browning reactions. Vegetables and fruits. Carbohydrate foods, dairy products, fats and oils, meat and poultry, fish and shellfish.

Textbooks

Mann J, Truswell AS (eds). Essentials of Human Nutrition. Oxford: OUP, 2002

Griswald N. The Experimental Study of Foods.

NUTR 2912 Nutritional Science Introductory (Adv)

6 credit points. Dr Kim Bell-Anderson. **Session:** Semester 2. **Classes:** 2 lectures, 3 prac/wk. **Assumed Knowledge:** NUTR2911. **Prerequisites:** CHEM (1101 or 1901 or 1903 or 1909) and CHEM (1102 or 1902 or 1904 or 1908) and BIOL (1001 or 1101 or 1901) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course. **Corequisites:** BCHM2072 (or BCHM2972) and PHSI2006. **Assessment:** One 3hr exam, one assignment, five prac reports.

NB: From 2006 the prerequisites will include MBLG1001

Vitamins: Consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency state in regard to Vitamins A, B1, B2, B6, B12, niacin, folate, biotin, pantothenic acid, Vitamin C, Vitamin D, Vitamin E, Vitamin K. Minerals and trace elements. Consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency state in regard to calcium, iron, sodium, potassium, zinc, selenium, copper, carnitine, choline.

Food Science and Technology: Principles of food preservation, Cereal technology, Milk and dairy technology, Fat and oil technology, Sugar technology, Meat technology, Processing and nutrient changes, Food legislation, Food additives, Naturally-occurring toxicants, Food pollutants, Food safety, Food Hygiene, Food microbiology, Food hygiene, Critical control points and hazards analysis.

Practical: Students will collect 24 hour food intake on themselves. Students will homogenise all foods eaten in a 24 hour period, sample representatively and analyse energy content by bomb calorimetry and determine fat and fatty acid composition, protein, starch, total sugars, dietary fibre and selected vitamins and minerals. They will report the finding to the whole class in the final practical.

Textbooks

Mann J, Truswell AS (2002). Essentials of human nutrition. Oxford University Press, Oxford.

Proudlove RK The Science & Technology of Foods. Forbes London, 1985.

Hobbs BC Food poisoning and food hygiene. (5th ed) Ballimore, Mad; E. Arnold 1987.

NUTR 3901 Nutrition in Individuals (Advanced)

12 credit points. Ms Sue Amanatidis. **Session:** Semester 1. **Classes:** 4 lec & 8 hr prac/wk. **Prerequisites:** NUTR 2902. **Assessment:** One 3 hr exam (50%), practical project (50%).

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.

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. **Session:** Semester 2. **Classes:** 4 lec & 8 hr prac/wk. **Prerequisites:** NUTR2902. **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.

Nutrition Honours

A/Prof S Samman; Ms Meryll 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:

- (i) carry out a supervised research project;
- (ii) present a written project proposal and present orally a brief literature survey and aims of the project;
- (iii) write an essay based on the project; and
- (iv) deliver a seminar on the project.

Students will prepare a project proposal, which should outline the aims, significance and background of the project, including an indication of the relationship of the project to the work of others, citing key references (not to be included in the 1000 word limit) where appropriate. A brief outline of methods and techniques to be used.

Pharmacology

This Department offers a general training in Pharmacology to students in the Faculty of Science. It provides two Intermediate 6-credit point units of study and four Senior 12-credit point units of study.

PCOL 2011 Pharmacology Fundamentals

6 credit points. Dr Jonathon Arnold. **Session:** Semester 1. **Classes:** 3 lectures/wk, 8 PBL tutorials/semester, 5 lab sessions/semester. **Prerequisites:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology. **Assessment:** One 2 hr exam, four 20 question WebMCQ quizzes, three lab reports, four 1 page research topics.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study examines four basic areas in Pharmacology: (1) principles of drug action (2) pharmacokinetics and drug metabolism (3) autonomic and endocrine pharmacology, and (4) drug design. The delivery of material involves lectures, practicals, computer-aided learning and problem-based tutorials. Practical classes provide students with the opportunity of acquiring technical experience and teamwork skills. Problem-based tutorials are based on real-life scenarios of drug use in the community. These tutorials require students to integrate information obtained in lectures in order to provide solutions to the problems. Online quizzes accompany each module for self assessment.

Textbooks

Rang HP, Dale MM, Ritter JM & Moore PK, Pharmacology. 5th edn, Churchill Livingstone, 2003.

Study aid:

Neal MJ, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

Goodman and Gilman's The Pharmacological Basis of Therapeutics 10th edn, editors JG Hardman,

LE Limbird, 2001.

Patrick GL, An Introduction to Medicinal Chemistry 2nd edn, Oxford Uni press, 2001.

PCOL 2012 Pharmacology: Drugs and People

6 credit points. Dr Jonathon Arnold. **Session:** Semester 2. **Classes:** 3 lectures/week, 8 PBL tutorials/semester, 5 lab sessions/semester. **Assumed Knowledge:** PCOL2011. **Prerequisites:** 6 credit points of Junior Chemistry and 6 credit points of Junior Biology. **Assessment:** One 2 hr exam, four 20 question WebMCQ quizzes, three lab reports.

NB: The completion of 6 credit points of MBLG units of study is highly recommended.

This unit of study examines four important areas of Pharmacology: (1) drug action in the nervous system (2) drug discovery and development (3) pharmacotherapy of inflammation, allergy and gut disorders, and (4) drugs of recreation, dependence and addiction. The delivery of material involves lectures, practicals, computer-aided learning and problem-based tutorials. Practical classes provide students with the opportunity of acquiring technical experience and teamwork. Problem-based tutorials are based on real-life scenarios of drug use in the community. These tutorials require students to integrate information obtained in lectures in order to provide solutions to the problems. Online quizzes accompany each module.

Textbooks

Rang HP, Dale MM, Ritter JM & Moore PK, Pharmacology. 5th edn, Churchill Livingstone, 2003.

Study aid:

Neal MJ, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

Reference books

7. Science units of study

Goodman and Gilman's The Pharmacological Basis of Therapeutics 10th edn, editors JG Hardman,

LE Limbird, 2001.

PCOL 3001 Molecular Pharmacology and Toxicology

12 credit points. A/Prof Ian Spence. **Session:** Semester 1. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisites:** PCOL 2001 and PCOL (2002 or 2003); or 32 credit points from Intermediate BMED units of study. **Assessment:** Two 2hr exams, classwork. **NB:** The completion of 6 credit points of MBLG units of study 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 and Limbird LE (eds). Goodman and Gilman's The Pharmacological Basis of Therapeutics. 10th edn, McGraw-Hill, 2001

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:** Semester 2. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisites:** PCOL 2001 and PCOL (2002 or 2003); or 32 credit points from Intermediate BMED units of study. **Assessment:** Two 3hr exams, classwork. **NB:** The completion of 6 credit points of MBLG units of study 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 5th edn, Churchill Livingstone, 2003

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 and Limbird LE (eds). Goodman and Gilman's The Pharmacological Basis of Therapeutics. 10th edn, McGraw-Hill, 2001

PCOL 3901 Molecular Pharmacology & Toxicology Adv

12 credit points. A/Prof Ian Spence. **Session:** Semester 1. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisites:** Distinction average in PCOL 2001 and PCOL (2002 or 2003); or in 32 credit points from Intermediate BMED units of study. **Assessment:** Two 2hr exams, classwork. **NB:** Department permission required for enrolment. The completion of 6 credit points of MBLG units of study 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 and Limbird LE (eds). Goodman and Gilman's The Pharmacological Basis of Therapeutics. 10th edn, McGraw-Hill, 2001

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:** Semester 2. **Classes:** 4 lec, 2 tut & 6 prac/wk. **Prerequisites:** Distinction average in PCOL2001 and PCOL (2002 or 2003); or in 32 credit points from Intermediate BMED units of study. **Assessment:** Two 2hr exams, classwork.

NB: Department permission required for enrolment. The completion of 6 credit points of MBLG units of study 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. 5th edn, Churchill Livingstone, 2003

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 JG and Limbird LE (eds). Goodman and Gilman's The Pharmacological Basis of Therapeutics. 10th edn, McGraw-Hill, 2001

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 Departments within the Faculty of Science require that Junior Physics be taken as part of the students' preparation for later studies in their more specialised fields. Similarly, Intermediate Physics units of study are taken by many Faculty of Engineering students, as well as by many Faculty of Science students who intend to major in other subjects.

The School of Physics also provides units of study in Computational Science at Junior, Intermediate, Senior and Honours levels. For details see the Computational Science entry.

Location

Physics Junior units of study: lectures in Physics Building, laboratories in Carslaw Building.

Physics Intermediate, Senior and Honours units of study: Physics Building.

Information

On noticeboards in the Physics Building as appropriate for each unit of study and outside the Physics Student Support Office (Room 202, ground floor, Physics Building), and also at the School of Physics website: www.physics.usyd.edu.au.

Registration

Junior units of study: In assigned laboratory sessions during the second week of each semester.

Intermediate units of study: At first lecture, in the Physics Building.

Senior units of study: At first lecture, in the Physics Building.

Advice on units of study

A member of the Physics staff is normally present among Faculty advisers during enrolment week to advise students. The Physics Student Support Office, Room 202, Physics Building, will arrange for students to meet advisers at other times. Further information about the School of Physics and its teaching program are available at www.physics.usyd.edu.au and on WebCT.

Physics Junior units of study

Dr John O'Byrne

There are seven different semester length units of study offered at the Junior level.

First semester

PHYS 1001 (Regular)

PHYS 1002 (Fundamentals)

PHYS 1901 (Advanced)

Second semester

PHYS 1003 (Technological)

PHYS 1004 (Environmental and Life Sciences)

PHYS 1902 (Advanced)

PHYS 1500 (Astronomy)

Completion of one unit of study in each semester provides a solid foundation for further studies in Physics in higher years. PHYS 1500 Astronomy cannot be counted towards the 12 credit points of Junior Physics needed as a prerequisite for Intermediate Physics. 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:** Semester 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **AssumedKnowledge:** HSC Physics. **Corequisites:** Recommended: MATH (1001/1901, 1002/1902, 1003/1903, 1005/1905). **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, 11th edition, Addison-Wesley, 2004

Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1002 Physics 1 (Fundamentals)

6 credit points. **Session:** Semester 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **AssumedKnowledge:** No assumed knowledge of Physics. **Corequisites:** Recommended: MATH (1001/1901, 1002/1902, 1003/1903, 1005/1905). **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:** Semester 2. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **AssumedKnowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Corequisites:** Recommended: MATH (1001/1901, 1002/1902, 1003/1903).

MATH 1005/1905 would also be useful. **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, 11th edition, Addison-Wesley, 2004

Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1004 Physics 1 (Environmental & Life Science)

6 credit points. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **AssumedKnowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Corequisites:** Recommended: MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **Assessment:** Laboratory (25%), assignments (5%), examination (70%).

NB: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit.

This unit of study has been designed specifically for students interested in further study in environmental and life sciences. The lecture series contains modules on the topics of properties of matter, electromagnetism, and radiation and its interactions with matter.

Textbooks

Hecht, E. Physics: Calculus, 2nd edition, Brooks/Cole 2000-

Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1500 Astronomy

6 credit points. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 2hr laboratory, one 1hr tutorial. **AssumedKnowledge:** 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:** Semester 1. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Prerequisites:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS1902, or Distinction or better in PHYS (1003 or 1004) or an equivalent unit. **Corequisites:** Recommended: MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **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, 11th edition, Addison-Wesley, 2004-

Experimental Physics Laboratory Manual - School of Physics Publication.

PHYS 1902 Physics 1B (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** Three 1hr lectures, one 3hr laboratory, one 1hr tutorial. **Prerequisites:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS1901, or Distinction or better in PHYS (1001 or 1002) or an equivalent unit. **Corequisites:** Recommended: MATH (1001/1901, 1002/1902, 1003/1903). MATH 1005/1905 would also be useful. **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, 11th edition, Addison-Wesley, 2004-

Experimental Physics Laboratory Manual - School of Physics Publication.

Physics Intermediate units of study

Dr Gordon Robertson

7. Science units of study

In common with the rest of the Faculty of Science, Intermediate Physics has been restructured into 6-credit point units, starting in 2005. There will be three units at the Normal level and three at the Advanced level:

- PHYS2011/2911 Physics 2A (Normal/Advanced) -- Semester 1
- PHYS2012/2912 Physics 2 B (Normal/Advanced) -- Semester 2
- PHYS2013/2913 Astrophysics and Relativity (Normal/Advanced) -- Semester 2

Students intending to major in Physics are strongly encouraged to take all three. The Advanced versions can be taken by students who have achieved a Credit or better in their previous Physics units.

Progression to Senior Physics: The prerequisites for all Senior Physics units except PHYS3022/3922 (Astrophysics/High Energy Physics) are PHYS2011/2911 and PHYS2012/2912. Students intending to major in Physics are strongly encouraged to take PHYS2013/2913 as well.

The prerequisites for PHYS3022/3922 (Astrophysics/High Energy Physics) are PHYS2012/2912 and PHYS2013/2913. Students intending to major in Physics must also take PHYS2011/2911 in order to gain the necessary prerequisites for other Senior Physics units.

Full details of Intermediate Physics unit of study structures, content and assessment policies are provided in the unit of study handbooks available at the start of semester on the School of Physics Web site at www.physics.usyd.edu.au and also on WebCT.

PHYS 2011 Physics 2A

6 credit points. **Session:** Semester 1. **Classes:** 2 lec x 11 wks, 2 hr computational lab x 9 wks, 3 hr lab x 9 wks. **AssumedKnowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful. **Prerequisites:** 12 credit points of Junior Physics (excluding PHYS 1500 and PHYS 1600). **Assessment:** One 2 hr exam, one 1 hr computational test, practical work, practical report and oral presentation.

In combination with two semesters of Junior Physics, this unit of study completes a first pass through the major branches of classical and modern physics, providing students with a sound basis for later Physics units or for studies in other areas of science or technology. Hence this unit suits students continuing with the study of physics at the general Intermediate level, and those wishing to round out their knowledge of physics before continuing in other fields.

The major topics in this unit of study are:

Optics: The wave nature of light, and its interactions with matter. Applications including spectroscopy and fibre optics.

Nuclear and Particle Physics: The fundamental structure of matter. **Computational Physics:** In a PC-based computing laboratory students use simulation software to conduct virtual experiments in optics, which illustrate and extend the relevant lectures. Students also gain experience in the use of computers to solve problems in physics. An introductory session is held at the beginning of semester for students who are not familiar with personal computers.

Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of optics, nuclear decay and particles, properties of matter, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students prepare a short report on one experiment and make an oral presentation on it.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Experimental Physics Notes, published by the School of Physics

PHYS 2012 Physics 2B

6 credit points. **Session:** Semester 2. **Classes:** 3 lec x 13wks, one 2hr computational lab x 11 wks. **AssumedKnowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). **Assessment:** One 3 hr exam, one 1 hr computational test.

This unit of study is designed for students continuing with the study of physics at the general Intermediate level, and represents the beginning of a more in-depth study of the main topics of classical and modern physics. The lecture topics are:

Quantum physics: The behaviour of matter and radiation at the microscopic level, modelled by the Schrodinger equation. Application to 1-dimensional systems including solid state physics.

Electromagnetic properties of matter: Electric and magnetic effects in materials; the combination of electric and magnetic fields to pro-

duce light and other electromagnetic waves; the effects of matter on electromagnetic waves.

Computational Physics: The computational physics component is similar to that of PHYS2011, except that the material illustrates topics in the quantum physics module.

Textbooks

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole

PHYS 2013 Astrophysics and Relativity

6 credit points. **Session:** Semester 2. **Classes:** 2 lec x 11wks, 3 hr lab x 12 wks. **AssumedKnowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). **Corequisites:** PHYS (2012 or 2912). **Assessment:** One 2 hr exam, practical work, practical report and oral presentation.

This unit of study builds on the foundation provided by Junior Physics and first semester of Intermediate Physics, to provide an introduction to Astrophysics (Structure and evolution of stars), and Special Relativity (Space and time at high velocities).

Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of analysis of stellar images, electromagnetic phenomena, electronic instrumentation, quantum physics, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students work in teams on a project, which forms the subject of their written report and oral presentation.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Tango, Introduction to Stellar Astrophysics, published by the School of Physics

Experimental Physics Notes, published by the School of Physics

Other texts to be advised

PHYS 2911 Physics 2A (Advanced)

6 credit points. **Session:** Semester 1. **Classes:** 2 lec x 11wks, 2hr computational lab x 9 wks, 3 hr lab x 9 wks. **AssumedKnowledge:** MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful. **Prerequisites:** Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). **Assessment:** One 2 hr exam, one 1 hr computational test, practical work, practical report and oral presentation.

This unit of study is designed for students with a strong interest in Physics. The lecture topics are as for PHYS2011. They are treated in greater depth and with more rigorous attention to derivations than in PHYS2011. The assessment reflects the more challenging nature of the material presented.

Computational Physics: As for PHYS2011, but at a more advanced level.

Practical: As for PHYS2011, but at a more advanced level.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Experimental Physics Notes, published by the School of Physics

PHYS 2912 Physics 2B (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** 3 lec x 13wks, 2hr computational lab x 11 wks. **AssumedKnowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Prerequisites:** Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). **Assessment:** One 3 hr exam, one 1 hr computational test.

Refer to PHYS2911 for an overall description of the Advanced Intermediate Physics program. The lecture topics are as for PHYS2012. **Computational Physics:** As for PHYS2012, but at a more advanced level.

Textbooks

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole

PHYS 2913 Astrophysics and Relativity (Advanced)

6 credit points. **Session:** Semester 2. **Classes:** 2 lec x 11wks, 3 hr lab x 12 wks. **AssumedKnowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Prerequisites:** Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). **Corequisites:** PHYS (2912 or 2012). **Assessment:** One 3 hr exam, practical work, practical report and oral presentation.

This unit of study builds on the foundation provided by Junior Physics and first semester of Intermediate Physics, to provide an introduction to Astrophysics (Structure and evolution of stars), and Special Relativity (Space and time at high velocities). The material for the advanced unit is treated with more depth and more rigorous attention to derivations than in PHYS2013.

Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of analysis of stellar images, electromagnetic phenomena, electronic instrumentation, quantum physics, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students work in teams on a project, which forms the subject of their written report and oral presentation.

Textbooks

Young and Freedman, University Physics, 11th ed. Pearson Education Inc. 2004

Tango, Introduction to Stellar Astrophysics, published by the School of Physics

Experimental Physics Notes, published by the School of Physics

Other texts to be advised

Physics Senior units of study

Associate Professor Tim Bedding

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 was reorganised in 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/Professor Tim Bedding.

PHYS 3011 Electromagnetism/Quantum Mechanics

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **Prerequisites:** 16 credit points of Intermediate Physics and 8 credit points of Intermediate Mathematics. **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

David J. Griffiths, Introduction to Electrodynamics, 3rd ed.

Recommended Reference:

Robert Eisberg and Robert Resnick, Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles, 2nd ed.

PHYS 3012 Condensed Matter Physics/Optics

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **AssumedKnowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **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 laser 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 website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3013 Thermodynamics/Statistical Mechanics

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **AssumedKnowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** 3hr exam, assignments.

This unit consists of three modules: Thermodynamics, Energy Physics, and Statistical Mechanics. Thermodynamics introduces: the laws of thermodynamics, state variables and functions, open and closed systems, chemical and thermodynamic potentials, chemical reactions, phases; the thermodynamics of the electric and magnetic fields; applications to astrophysics and cosmology. Energy physics covers the generation, transport and use of energy, and its significance in social and political issues. Topics covered include sources of energy including fossil fuels, fission and fusion; thermal pollution; solar energy; photovoltaic solar energy; wind and other "green" sources of energy. Statistical mechanics principles include: ensembles, phase space and Liouville's theorem, applications to the ideal gas, ideal Bose and Fermi gases, degenerate Bose and Fermi gases, blackbody radiation, Debye theory, phonons, ionisation equilibrium and the Saha equation, the Ising model, and real gases.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3014 Topics in Physics A

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **AssumedKnowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** 3hr exam, assignments.

NB: Department permission required for enrolment. Approval required by the Senior Physics Coordinator prior to enrolment

This unit is normally 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 time-tabling): Electromagnetism, Condensed Matter Physics, Quantum Mechanics, and Optics. 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 website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3015 Topics in Physics B

6 credit points. **Session:** Semester 1. **Classes:** 58 lectures/semester. **AssumedKnowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Exams totaling 4.5hrs, assignments.

NB: Department permission required for enrolment.

This unit is normally restricted to students not majoring in Physics, giving them the flexibility to take a combination of lecture topics that is not offered in the standard units. Students must choose 6 credit points worth from the following Semester 1 courses (subject to timetabling): Electromagnetism (2 credit points), Condensed Matter Physics (2 credit points), Thermodynamics / Energy Physics / Statistical Mechanics (4 credit points), Quantum Mechanics (2 credit points), and Optics (2 credit points). 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 website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3016 Experimental Physics A

4 credit points. **Session:** Semester 1, Semester 2. **Classes:** 4hrs prac/wk. **AssumedKnowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **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 website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3017 Experimental Physics B

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** 8hrs prac/wk. **AssumedKnowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **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

7. Science units of study

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 website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3021 Plasma Physics/Nanoscience

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3 hr exam, assignments.

The first half of this unit, on plasma physics, has the following aims: (i) to introduce the physics of plasmas, which are collections of charged particles; (ii) to examine the behaviour of charged particles in the presence of electric and magnetic fields; (iii) to understand how the long-range interaction between charged particles leads to collective behaviour of the medium as a whole; and (iv) to appreciate how an understanding of plasmas is fundamental to space physics and astrophysics, controlled fusion research, and applications of electrical discharges including material modification processes. The second half of this unit will cover nanoscience, which is the study of the behaviour of light and matter as they interact with structures that have features on nanometer scales. Creating these structures requires methods for manipulating matter on these scales, and there are two approaches. The first involves direct manipulation "nanomachining", using methods such as lithography, Atomic Force Microscopy (AFM) and Focussed Ion Beams (FIBs). The second exploits self-assembly processes such as crystal growth, protein folding and phase segregation. These techniques can be applied to the fabrication and operation of devices in areas such as nanoelectronics, quantum computing and photonic crystals.

PHYS 3022 Astrophysics/High Energy Physics

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Prerequisites:** 16 credit points of Intermediate Physics and 8 credit points of Intermediate Mathematics. **Assessment:** One 3 hr exam, assignments.

The first half of this unit covers the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. The second half of this unit focuses upon the formation of stars and structure in the universe, and the forging of heavy elements, including the oxygen we breathe and the carbon in our bodies, during stellar evolution.

PHYS 3023 Biological & Medical Physics

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 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. **Assessment:** One 3 hr exam, assignments.

The biological physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, computer simulations of biological systems, biomechanics, multicellular systems and neural networks. 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 techniques such as Magnetic Resonance Imaging (MRI).

PHYS 3024 Topics in Physics C

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3hr exam, assignments.

NB: Department permission required for enrolment.

This unit of study is normally 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, 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.

PHYS 3025 Topics in Physics D

6 credit points. **Session:** Semester 2. **Classes:** 58 lectures/semester. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Exams totalling 4.5hrs, assignments.

NB: Department permission required for enrolment.

This unit is normally restricted to students not majoring in Physics, giving them the flexibility to take a combination of 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.

PHYS 3026 Experimental Physics C

4 credit points. **Session:** Semester 1, Semester 2. **Classes:** 4hrs prac/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **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.

PHYS 3027 Experimental Physics D

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** 8 hr prac/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Practical assessment, report and 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.

PHYS 3600 Energy and the Environment

4 credit points. Dr Christopher Dey. **Session:** Semester 1. **Classes:** One 1hr lecture, one 1hr seminar & 2hrs made up of field trips. **Prerequisites:** 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:** Semester 1. **Classes:** 3 lec/wk. **Prerequisites:** 16 points of Intermediate Physics with a Credit average and 8 credit points of Intermediate Mathematics. **Assessment:** One 3 hr exam, assignments.

This unit of study covers the same topics as PHYS3011, with some more challenging material.

PHYS 3912 Condensed Matter Physics/Optics (Adv)

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3 hr exam, assignments.

This unit of study covers the same topics as PHYS3012, with some more challenging material.

PHYS 3913 Thermodynamics/Statistical Mechanics Adv

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3 hr exam, assignments.

This unit of study covers the same topics as PHYS3013, with some more challenging material.

PHYS 3914 Topics in Physics A (Adv)

4 credit points. **Session:** Semester 1. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3 hr exam, assignments.

NB: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3014, with some more challenging material.

PHYS 3915 Topics in Physics B (Adv)

6 credit points. **Session:** Semester 1. **Classes:** 58 lectures/semester. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Exams totalling 4.5 hours, assignments.

NB: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3015, with some more challenging material.

PHYS 3916 Experimental Physics A (Adv)

4 credit points. **Session:** Semester 1, Semester 2. **Classes:** 4 hr prac/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Practical assessment, report and oral presentation.

This unit of study covers the same topics as PHYS3016, with some more challenging material.

PHYS 3917 Experimental Physics B (Adv)

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** 8 hr prac/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Practical assessment, report and oral presentation.

This unit of study covers the same topics as PHYS3017, with some more challenging material.

PHYS 3918 Special Projects A (Adv)

4 credit points. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. *NB: Department permission required for enrolment. Departmental permission needed.*

The equivalent of 4 hours per week is spent in a research group within the School of Physics, working on a research experiment or theoretical project supervised by a researcher. The aim is for students to acquire an understanding of the nature of research by carrying out a project under the supervision of a researcher, and as part of a research group. This will allow students to apply their knowledge of physics and scientific practice and will serve as valuable preparation for a research project at Honours level and beyond. This unit addresses several of the University's generic attributes, including: an appreciation of the requirements and characteristics of research; the ability to plan and achieve goals; and the ability to work with others.

PHYS 3921 Plasma Physics/Nanoscience (Adv)

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3 hr exam, assignments.

This unit of study covers the same topics as PHYS3021, with some more challenging material.

PHYS 3922 Astrophysics/High Energy Physics (Adv)

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Prerequisites:** 16 credit points of Intermediate Physics with a Credit average and 8 credit points of Intermediate Mathematics. **Assessment:** One 3 hr exam, assignments.

This unit of study covers the same topics as PHYS3022, with some more challenging material.

Textbooks

See the Senior Physics Handbook, available from the School of Physics or the website

<http://www.physics.usyd.edu.au/ugrad/spc.html>

PHYS 3923 Biological & Medical Physics (Adv)

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 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. **Assessment:** One 3 hr exam, assignments.

This unit of study covers the same topics as PHYS3023, with some more challenging material.

PHYS 3924 Topics in Physics C (Adv)

4 credit points. **Session:** Semester 2. **Classes:** 3 lec/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** One 3 hr exam, assignments.

NB: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3024, with some more challenging material.

PHYS 3925 Topics in Physics D (Adv)

6 credit points. **Session:** Semester 2. **Classes:** 58 lectures/semester. **Prerequisites:** 16 credit points of Intermediate Physics with a Credit average and 8 credit points of Intermediate Mathematics. **Assessment:** Exams totalling 4.5 hours, assignments.

NB: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3025, with some more challenging material.

PHYS 3926 Experimental Physics C (Adv)

4 credit points. **Session:** Semester 1, Semester 2. **Classes:** 4 hr prac/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Practical assessment, report and oral presentation.

This unit of study covers the same topics as PHYS3026, with some more challenging material.

PHYS 3927 Experimental Physics D (Adv)

8 credit points. **Session:** Semester 1, Semester 2. **Classes:** 8 hr prac/wk. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. **Assessment:** Practical assessment, report and oral presentation.

This unit of study covers the same topics as PHYS3027, with some more challenging material.

PHYS 3928 Special Projects B (Adv)

4 credit points. **Session:** Semester 1, Semester 2. **Assumed Knowledge:** 8 credit points of Intermediate Mathematics. **Prerequisites:** 16 credit points of Intermediate Physics. *NB: Department permission required for enrolment.*

The equivalent of 4 hours per week is spent in a research group within the School of Physics, working on a research experiment or theoretical project supervised by a researcher. The aim is for students to acquire an understanding of the nature of research by carrying out a project under the supervision of a researcher, and as part of a research group. This will allow students to apply their knowledge of physics and scientific practice and will serve as valuable preparation for a research project at Honours level and beyond. This unit addresses several of the University's generic attributes, including: an appreciation of the requirements and characteristics of research; the ability to plan and achieve goals; and the ability to work with others.

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 co-ordinator.

Honours students are encouraged to participate along with staff and research students in all activities within the School.

They are provided with office accommodation, and are expected to attend colloquia and seminars. They may be employed for several hours per week in Junior teaching. Further information is available from the Physics Student Support Office, the Honours co-ordinator or from the website www.physics.usyd.edu.au/ugrad/hons.html

Physiology

The Department of Physiology provides introductory general Intermediate units of study and for those wishing to major in the subject, in-depth Senior units of study. For Senior units the February semester offers Neuroscience and Human Cellular Physiology, and the July semester offers Heart and Circulation as well as further study in Neuroscience.

PHSI 2005 Integrated Physiology A

6 credit points. Dr Meloni Muir. **Session:** Semester 1. **Classes:** 5 lec, 3 prac, 2 tutorial per fortnight. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study. **Assessment:** Two written exams (one on lectures and one integrating lectures, PBLs and practicals) and group and individual written presentations.

NB: The completion of 6 credit points of MBLG units of study is highly recommended for progression to Senior Physiology. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites.

This unit of study gives a basic introduction to the functions of the nervous system, including excitable cell (nerve and muscle) physiology, sensory and motor systems and central processing. It also incorporates haematology and cardiovascular physiology. These topics will be organized and integrated as modules. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of

7. Science units of study

physiology. Both oral and written communication skills are emphasized, as well as group learning.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 2905 Integrated Physiology A (Advanced)

6 credit points. Dr Catherine Leamey and Dr Dario Protti. **Session:** Semester 1. **Classes:** 5 lec, 3 prac, 2 tutorial per fortnight. Advanced students will be exempt from attending some classes to permit meetings with supervisor. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study. **Assessment:** Two written exams (one on lectures and one integrating lectures, PBLs and practicals) and group oral and individual written presentations, 1 research essay (research essay will replace some other assessment items from regular course).

NB: Department permission required for enrolment. Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 65 (Credit average) or higher in their Junior units of study. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites. The completion of 6 credit points of MBLG units of study is highly recommended for progression to Senior Physiology

This unit of study is an extension of PHSI2005 for talented students with an interest in Physiology and Physiological research. The lecture/practical component of the course is run in conjunction with PHSI2005. This unit of study gives a basic introduction to the functions of the nervous system, including excitable cell (nerve and muscle) physiology, sensory and motor systems and central processing. It also incorporates haematology and cardiovascular physiology. These topics will be organized and integrated as modules. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning. The advanced stream of the course gives students an opportunity to interact with academics in small groups (or one to one) and to carry out a research project. Students will be allocated a supervisor and a project according to interest and availability. A research project will be determined by the supervisor, and students will carry out a library-based research project and have the opportunity to discuss their progress and understanding of the topic at regular meetings with the supervisor. Students will submit their research assignment as a major component of their assessment for the course. This will replace some other assessable activities from the regular course. Students will also be exempt from attending some of the tutorial and/or practical classes in order to give them time to meet with their supervisor.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 2006 Integrated Physiology B

6 credit points. Dr Meloni Muir. **Session:** Semester 2. **Classes:** 5 lec, 3 prac, 2 tutorial per fortnight. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study. **Assessment:** Two written exams (one on lectures and one integrating lectures, PBLs and practicals) and group and individual written presentations.

NB: The completion of Molecular Biology and Genetics A is highly recommended for progression to Senior Physiology. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites.

This unit of study gives a basic introduction to the functions of the remaining body systems: gastrointestinal, respiratory, endocrine, reproductive and renal. These topics will be organized and integrated as modules. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 2906 Integrated Physiology B (Advanced)

6 credit points. Dr Dario Protti and Dr Catherine Leamey. **Session:** Semester 2. **Classes:** 5 lec, 3 prac, 2 tutorial per fortnight. Advanced students will be exempt from attending some of these classes to permit meetings with supervisor. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study. **Assessment:** Two written exams (one on lectures and one integrating lectures, PBLs and practicals) and group oral and individual written presentations, 1 research essay (research essay will replace some other assessment items from regular course).

NB: Department permission required for enrolment. Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 65 (Credit average) or higher in their Junior units of study. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisite. The completion of Molecular Biology and Genetics A is highly recommended for progression to Senior Physiology.

This unit of study is an extension of PHSI2006 for talented students with an interest in Physiology and Physiological research. The lecture/practical component of the course is run in conjunction with PHSI2006. This unit of study gives a basic introduction to the remaining of the body systems: gastrointestinal, respiratory, endocrine,

reproductive and renal. The practical component involves simple experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Problem-based learning tutorial sessions will be integrated with this demonstrating the integrative nature of physiology. Both oral and written communication skills are emphasized, as well as group learning. The advanced stream of the course gives students an opportunity to interact with academics in small groups (or one to one) and to carry out a research project. Students will be allocated a supervisor and a project according to interest and availability. A research project will be determined by the supervisor, and students will carry out a library-based research project and have the opportunity to discuss their progress and understanding of the topic at regular meetings with the supervisor. Students will submit their research assignment as a major component of their assessment for the course. This will replace some other assessable activities from the regular course. Students will also be exempt from attending some of the tutorial and/or practical classes in order to give them time to meet with their supervisor.

Textbooks

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

PHSI 3001 Neuroscience

12 credit points. Dr Dario Protti, Dr John Mitrofanis. **Session:** Semester 1. **Classes:** 4 lec & 8 prac/wk. **Prerequisites:** 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. **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. From 2006 the prerequisites will be: Except for BMedSc students, PHSI (2101 or 2001 or 2901 or 2005 or 2905), ANAT (2003 or 2010), 6 credit points of MBLG plus at least 6 credit points of Intermediate Science units of study. For BMedSc: Either 36 credit points of Intermediate units including BMED (2501, 2503 & 2505) or 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806)

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.

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:** Semester 1. **Classes:** 4 lec, 1 tut & 7hrs of prac/wk. **Prerequisites:** For BMedSc: at least 32 credit points of Intermediate BMED units including BMED (2501 and 2503 and 2505). For others: PHSI (2001 or 2101 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. **Assessment:** Two 2hr exams, spot test, essay, prac report, seminar presentation.

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. From 2006 the prerequisites will be: Except for BMedSc students, PHSI (2001 or 2101 or 2901 or 2005 or 2905), ANAT (2003 or 2010), 6 credit points of MBLG plus at least 6 credit points of Intermediate Science units of study. For BMedSc: Either 36 credit points of Intermediate units including BMED (2501, 2503 & 2505) or 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806).

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 Catherine Leamey, Dr Kevin Keay. **Session:** Semester 2. **Classes:** 3 lec, 2 tut & 6hr research/wk. **Prerequisites:** 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. **Assessment:** One 2hr exam, tutorial participation, research report.

NB: From 2006 the prerequisites will be: Except for BMedSc students, 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 (or for students following the old program: PHSI (2101 or 2001 or 2901 or 2005 or 2905), ANAT (2003 or 2010), 6 credit points of MBLG plus at least 6 credit points of Intermediate Science units of study). For BMedSc: Either 36 credit points of Intermediate units including BMED (2501, 2503 & 2505) or 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806).

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 neurodeath, 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 C Leamey & Dr K Keay. **Session:** Semester 2. **Classes:** 3 lec, 2 tut & 6hr prac/wk. **Prerequisites:** 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. **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. From 2006 the prerequisites will be: Except for BMedSc students, Credit or better in PHSI3001 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. From 2006 the prerequisites will be: Except for BMedSc students, PHSI (2101 or 2001 or 2901 or 2005 or 2905), ANAT (2003 or 2010), 6 credit points of MBLG plus at least 6 credit points of Intermediate Science units of study. For BMedSc: Either 36 credit points of Intermediate units including BMED (2501, 2503 & 2505) or 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806).

The lecture and practical component are the same as for PHSI3002. 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:** Semester 2. **Classes:** 4 lec, 2 tut & 6hr prac/wk. **Assumed Knowledge:** PHSI (2001 or 2101 or 2901) and BCHM (2002 or 2102 or 2902). **Prerequisites:** 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. **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. From 2006 the prerequisites will be: For BMedSc: 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806). For others: PHSI (2002 or 2102 or 2902) or [PHSI (2005 or 2905) and PHSI (2006 or 2906)] and 6 credit points of MBLG or BCHM (2001 or 2101 or 2901)

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.

PHSI 3903 Heart and Circulation (Advanced)

12 credit points. Dr J Hoh assisted by Mrs I Schneider. **Session:** Semester 2. **Classes:** 4 lec, 2 tut & 6hr prac/wk. **Assumed Knowledge:** PHSI (2001 or 2101 or 2901) and BCHM (2002 or 2102 or 2902). **Prerequisites:** 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. **Assessment:** One 3hr exam, essays, prac reports, seminar presentations.

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. A minimum of 8 credit points of Intermediate Physiology and BCHM (2002 or 2102 or 2902) are strongly recommended. From 2006 the prerequisites will be: For BMedSc: 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806). For others: PHSI (2002 or 2102 or 2902) or [PHSI (2005 or 2905) and PHSI (2006 or 2906)] and 6 credit points of MBLG or BCHM (2001 or 2101 or 2901)

The lecture and practical component are the same as for PHSI3003. 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:** Semester 1. **Classes:** 4 lec, 6 prac & 2 small group PBL/wk. **Prerequisites:** 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). **Assessment:** Written exams, 1 essay, practical reports, oral presentations.

NB: From 2006 the prerequisites will be: PHSI (2001 or 2101 or 2901 or 2005 or 2905), PHSI (2002 or 2102 or 2902 or 2006 or 2906) and MBLG (2001 or 2101 or 1001) or BCHM(2001 or 2101 or 2901). From 2006 the prerequisites will be: Except for BMedSc students, PHSI (2101 or 2001 or 2901 or 2005 or 2905), ANAT (2003 or

2010), 6 credit points of MBLG plus at least 6 credit points of Intermediate Science units of study. For BMedSc: Either 36 credit points of Intermediate units including BMED (2501, 2503 & 2505) or 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806).

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.

PHSI 3904 Human Cellular Physiology (Advanced)

12 credit points. Dr Bill Phillips. **Session:** Semester 1. **Classes:** 4 lec, 6 prac & 2 small group PBL/wk. **Prerequisites:** 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). **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. From 2006 the prerequisites will be: PHSI (2001 or 2101 or 2901 or 2005 or 2905), PHSI (2002 or 2102 or 2902 or 2006 or 2906) and MBLG (2001 or 2101 or 1001) or BCHM(2001 or 2101 or 2901). For BMedSc: Either 36 credit points of Intermediate units including BMED (2501, 2503 & 2505) or 42 credit points of BMED Intermediate units including BMED (2801, 2802, 2803 & 2806).

The lecture and practical component are the same as for PHSI3004. 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.

Plant Science

The following units of study form part of the new Plant Science program, which has been developed jointly by the Faculty of Agriculture, Food and Natural Resources and the School of Biological Sciences.

Senior units of study and a major in Plant Science will be made available in 2006, and students will be able to count PLNT units towards a major in either Plant Science or Biology.

PLNT 2001 Applied Plant Biochemistry

6 credit points. Prof Les Copeland (Coordinator), Dr Rosanne Quinnell. **Session:** Semester 1. **Classes:** 3 lec or tut; 3 prac or sem/wk. **Prerequisites:** 12 credit points of Junior Chemistry and 12 credit points of Junior Biology or in 2005 (or with the Dean's permission in 2006), BIOL1201 and BIOL1202. **Assessment:** One 2-hr exam (50%), laboratory reports (20%) case study presentation (15%), self-directed learning exercises (15%).

This unit of study explores the fundamentals of plant biochemistry, from what plants are made of to how plants regulate their metabolic processes. The specialised nature of these metabolic processes, which enable plants to respond to different biotic and abiotic environmental influences, is featured. The unit covers basic chemistry and metabolic reactions of the main plant constituents, how storage reserves are mobilized to provide energy and substrates for growth and development, and how metabolic pathways are controlled and respond to influences from the plant environment. Special attention is given to these processes in economic plants, and their relevance to foods and fibres. The unit of study complements intermediate units of study in plant science, molecular and cell biology, genetics and biotechnology, and leads on to advanced plant modules offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources. Learning in the unit is by lectures and laboratory work, augmented by independent library research and group projects and discussions to provide insights into how molecular and biochemical approaches lead to understanding of plant functions. Students will be expected to access the WebCT site at least once a week for information on: learning resources, information bulletins, tutorial modules on making oral and written presentations, links to library, academic policies, Laboratory Safety tutorials, student support, Learning Centre. Students will additionally

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engage in the equivalent of 1 hour per week of tutor-assisted self-directed learning on biochemical calculations and assigned readings.

Textbooks

A Study Guide for the unit will be available for purchase from the Copy Centre at a cost of \$10 during the first week of Semester.

PLNT 2002 Aust Flora: Ecology and Conservation

6 credit points. Dr Glenda Wardle & Dr Murray Henwood. **Session:** Semester 1. **Classes:** (2 lec & 3 prac)/wk, audiovisual. **Prerequisites:** 12 credit points of Junior Biology or in 2005 (or with the Dean's permission in 2006), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1001. **Assessment:** One 2-hr exam (40%), laboratory reports (20%) herbarium (20%), one 2-hr practical exam (20%).

This unit provides a broad understanding of the evolution, classification and diversity of terrestrial plants and the principles of plant ecology in an Australian context. The major types of Australian vegetation are discussed across a range of temporal and spatial scales, and their current distribution related to their environment and origins. Selected contemporary issues in plant conservation from Australian natural and managed systems are explored. There is a strong emphasis on practical skills such as phylogenetic inference, plant identification and the collection and analysis of ecological data. The practical component of the unit of study uses examples taken from the Australian flora (including plants of horticultural significance) and major crop plants. Important elements of this unit are half-day field trips to the Royal National Park (or production systems at Camden), the Royal Botanic Gardens Sydney and the construction of student herbaria. The unit of study complements intermediate units of study in plant science, zoology, molecular and cell biology, genetics and biotechnology, and leads on to advanced plant and ecology modules offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources.

Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT 2003 Plant Form and Function

6 credit points. A/Prof Bruce Sutton, A/Prof Robyn Overall. **Session:** Semester 2. **Classes:** 2 lectures, 1hr tutorial and 1 prac, A/V session (2-3hr) or field trip (6hr) per wk. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** 12 credit points of Junior Biology or in 2005 (or with the Dean's permission in 2006), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1001. **Assessment:** One 2hr theory exam (40%), prac exam (20%), anatomy project (10%), quizzes (5%), physiology report (10%), field report (15%).

This unit of study investigates the structure of cells, tissues and organs of flowering plants and relates them to function. Topics include; how photosynthesis, translocation, water transport and nutrition relate to the structures that carry out these processes. Most of the information on plant structure will be provided in self-instructional audio-visual sessions augmented by small group discussions. This is integrated with experiments carried out in the laboratory or on field excursions to investigate the physiological aspects of plant structures. There is a focus on recent advances in plant molecular biology where they have been critical in enhancing our understanding of the form and function of plants. The physiological and anatomical responses of plants to extreme environments such as drought and salinity will also be addressed. Attention will be paid to the anatomy and physiology of crop, horticultural and Australian native plants. This unit of study complements Applied Plant Biochemistry, Australian Flora: ecology and conservation and Cell Biology and leads onto senior units of study in plant sciences, including Plant Growth and Development. It is essential for those seeking a career in plant molecular biology.

Textbooks

Taiz L, Zeiger E (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer

Recommended reading:

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.

Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockvill, Maryland

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT 2901 Applied Plant Biochemistry (Advanced)

6 credit points. Prof Les Copeland (Coordinator), Dr Rosanne Quinell. **Session:** Semester 1. **Classes:** (3 lec or tut; 3 prac or sem)/wk. **Prerequisites:** A Distinction average in 12 credit points of Junior Chemistry and 12 credit points of Junior Biology or in 2005 (or with the Dean's permission in 2006), BIOL1201 and BIOL1202. **Assessment:** One 2-hr exam (50%), laboratory reports (10%) independent research project presentation and report (25%), self-directed learning exercises (15%).

The content will be based on PLNT2001 but qualified students will participate in alternative components at a more advanced level.

Textbooks

A Study Guide for the unit will be available for purchase from the Copy Centre at a cost of \$10 during the first week of Semester.

PLNT 2902 Aust Flora: Ecology & Conservation (Adv)

6 credit points. Dr Glenda Wardle & Dr Murray Henwood. **Session:** Semester 1. **Classes:** (2 lec & 3 prac)/wk, audiovisual. **Prerequisites:** Distinction average in 12 credit points of Junior Biology or in 2005 (or with the Dean's permission in 2006), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1001. **Assessment:** One 2-hr exam (40%), laboratory reports (20%) research project (20%), one 2-hr practical exam (20%).

Qualified students will participate in alternative components of PLNT2002. The content and nature of these components may vary from year to year. See prerequisites for Senior units of study in Biology.

Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester.

PLNT 2903 Plant Form and Function (Advanced)

6 credit points. A/Prof Bruce Sutton and A/Prof Robyn Overall. **Session:** Semester 2. **Classes:** 2 lectures, 1hr tutorial and 1 prac, A/V session (2-3hr) or field trip (6hr) per wk. **Assumed Knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students entering from BIOL (1003 or 1903) will need to do some preparatory reading. **Prerequisites:** Distinction average in 12 credit points of Junior Biology or in 2005 (or with the Dean's permission in 2006), BIOL1201 and BIOL1202 or BIOL1001 and ENVI1001. **Assessment:** One 2hr theory exam (40%), prac exam (20%), research project oral and written presentation (25%), field report (15%).

The content will be based on PLNT2003 but qualified students will participate in alternative components at a more advanced level. The content and nature of these components may vary from year to year.

Textbooks

Taiz L, Zeiger E (2002) Plant Physiology 3rd ed. Sunderland, Mass Sinauer

Recommended reading:

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.

Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockvill, Maryland

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of Semester.

Psychology

Psychology is the study of behaviour and it is approached on a scientific basis, with provision for professional training at the postgraduate level. The research activities of the School cover almost all of the main branches of the subject.

Extensive information about the subject and the School is available on the School web-site: www.psych.usyd.edu.au.

A normal three year sequence required for a major in Psychology is: PSYC 1001, 1002, 2011, 2012, 2013, 2014, and at least six Senior units of study selected from PSYC 3201*, 3202*, 3203, 3204, 3205, 3206, 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 2011, 6 credit points

PSYC 2012, 6 credit points

PSYC 2013, 6 credit points

PSYC 2014, 6 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 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 (tel. 9351 2872). Staff members available to discuss particular courses may be contacted directly or through this office.

Honours

In order to be eligible to enter Psychology 4 Honours, it is necessary (except as provided in the by-laws or resolutions) to gain a year average of at least Pass with Credit in Intermediate and in Senior Psychology units of study. These Psychology units include Psychology 2011, 2012, 2013, 2014, 3201, 3202, and at least four other Senior Psychology units from Psychology 3203, 3204, 3205, 3206, 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 and PSYC 1002 are offered in the Sydney Summer School. Consult the Sydney Summer School web site for more information. <http://www.summer.usyd.edu.au/>

PSYC 1001 Psychology 1001

6 credit points. **Session:** Summer, Semester 1. **Classes:** 3 lec & a tutorial of 1hr/wk and 1hr/wk of additional web-based (self-paced) material related to the tutorial (1hr/wk practical/demonstration). **Assessment:** One 2.5hr exam, one 1000w essay, multiple tutorial tests, experimental participation.

Psychology 1001 is a general introduction to the main topics and methods of psychology, and is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1001 covers the following areas: subject matter and methods of psychology; basic statistics and measurement; behavioural neuroscience; applied psychology; social psychology; personality theory. This unit is offered in the Sydney Summer School. Consult the web site:

<http://www.usyd.edu.au/summerschool/> for more information.

Textbooks
Psychology 1001 Handbook,

Gray, P. (2002). Psychology (4th Edition). New York: Worth Publishers.

Burton, L.J. (2002). An Interactive Approach to Writing Essays and Research Reports in Psychology. Milton, Queensland: John Wiley & Sons.

PSYC 1002 Psychology 1002

6 credit points. **Session:** Summer, Semester 2. **Classes:** 3 lectures & a tutorial of 1hr/wk and 1hr/wk of additional web-based (self-paced) material related to the tutorial (1hr/wk practical/demonstration). **Assessment:** One 2.5hr exam, one 1000 word essay, multiple tutorial tests, experimental participation.

Psychology 1002 is a further general introduction to the main topics and methods of psychology, and it is the basis for advanced work as well as being of use to those not proceeding with the subject.

Psychology 1002 covers the following areas: human development; human mental abilities; learning, motivation and emotion; visual perception; cognitive processes.

This unit is offered in the Sydney Summer School. Consult the web site:

<http://www.usyd.edu.au/summerschool/> for more information.

Textbooks
Psychology 1002 Handbook

Gray, P. (2002). Psychology (4th Edition). New York: Worth Publishers.

Burton, L.J. (2002). An Interactive Approach to Writing Essays and Research Reports in Psychology. Milton, Queensland: John Wiley & Sons.

PSYC 2011 Brain and Behaviour

6 credit points. A/Prof Iain McGregor. **Session:** Semester 1. **Classes:** 3 lec, 1 tut/week. **Prerequisites:** PSYC (1001 and 1002). **Assessment:** One 2 hr exam, one 1500 word practical report, one 1500 word essay and six fortnightly quizzes.

This unit of study examines a range of phenomena and principles in learning and perception and their relations to underlying neural substrates. The emphasis in learning is on instrumental conditioning and the principle of reinforcement, ranging from applications of this principle to its neural substrates. Also covered are analyses of aversive-based learning, such as punishment and avoidance, and anxiety, together with related neurochemical mechanisms and the effects of various psychopharmacological agents on these processes. A number of perceptual phenomena will be studied (e.g., motion detection, recognition of faces, identification of emotion). A series of practical classes and demonstrations allow students to gain hands-on experience of how some of these principles and phenomena may be studied experimentally.

Textbooks
See school website

PSYC 2012 Statistics & Research Methods for Psych

6 credit points. Dr Margaret Charles. **Session:** Semester 1. **Classes:** 2 lec, 1 tut / wk + 1 lec, 1 tut / fortnight. **Assumed Knowledge:** Recommended: HSC Mathematics, any level. **Prerequisites:** PSYC (1001 and 1002). **Assessment:** One 2hr exam; 3 class tests, 1000w group project, one 1hr mid-semester exam.

The aim is to introduce students to fundamental concepts in statistics as applied to psychological research. These include summary descriptive statistics, an introduction to the principles and practice of research design, and the use of inferential statistics. Building upon this framework, the unit of study aims to develop each student's expertise in understanding the rationale for, and application of, a variety of statistical tests to the sorts of data typically obtained in psychological research.

Textbooks
See school website

PSYC 2013 Cognitive and Social Psychology

6 credit points. Dr Karen Croot. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisites:** PSYC (1001 and 1002). **Assessment:** One 2hr exam, one 1500-2000 word essay/report, one 1000-1500w written practical exercise.

This unit expands the depth and range of topics introduced in the first year lectures on Cognitive Processes, Developmental Psychology and Social Psychology. Following an introductory lecture, the first section (16 lectures) on Cognitive Processes focuses on current theories of memory, attention and reasoning and discusses the methods and issues involved in investigating these processes in both healthy individuals and people with cognitive dysfunctions. The second section (6 lectures) on Developmental Psychology presents and evaluates evidence about the early influences on children's social and cognitive development. The final section (16 lectures) on Social Psychology continues an examination of social development across the lifespan from adolescence to late adulthood, followed by an examination of salient social constructs such as prejudice, group processes, altruism, affiliation and attraction.

Textbooks
Cognitive: Galotti, KM (2003) Cognitive psychology with Infotrac: In and out of the laboratory. Wadsworth Publishing

Social: TBA

PSYC 2014 Personality and Differential Psychology

6 credit points. Dr Sabina Kleitman. **Session:** Semester 2. **Classes:** 3 lec & 1 tut/wk. **Prerequisites:** PSYC (1001 and 1002). **Assessment:** One 2hr exam, one 1500w essay, one 1500w report.

7. Science units of study

PSYC2014 is made up of two components: Theories of Personality and Differential Psychology (Individual Differences). The aim of the Personality component is to introduce students to a number of influential theories of personality. Students will be exposed to some conceptual analysis and expected to examine critically the various theories covered. The aim of the Differential Psychology component is to introduce the key topics in individual abilities and group differences. Students are expected to gain an understanding about the major theories of intelligence, associated research methods, and the traditional areas of group differences.

Textbooks

For Theories of Personality component

Monte, C. F. & Solland, R. N. (2003). *Beneath the Mask: An Introduction to Theories of Personality*. Wiley.

For the Differential Psychology component

there is no set text. However, the references listed below are considered essential reading to demonstrate meritorious performance in this part of the unit of study.

Brody, N. (1992). *Intelligence* (2nd Ed.). San Diego, CA: Academic Press.

Mackintosh, N. (1998). *IQ and Human Intelligence*. New York: Oxford University Press.

Neisser, U. et al (1996). *Intelligence: Knows and Unknowns*. *American Psychologist*, 51 (2), 77-101.

PSYC 3201 Statistics and Psychometrics

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 prac & 1hr unsupervised computer practice/wk. **Prerequisites:** At least 8 credit points of Intermediate Psychology including PSYC (2112 or 2012). **Assessment:** Class test, assignment, examination. 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 website

PSYC 3202 History and Philosophy of Psychology

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut & 1hr self paced library research/wk. **Prerequisites:** 12 credit points of Intermediate Psychology. **Assessment:** 2hr exam, 1 x 2000 word essay.

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 and philosophy of mind, 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 website

PSYC 3203 Abnormal Psychology

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** At least 8 credit points of Intermediate Psychology including PSYC (2111 or 2011) and PSYC (2113 or 2114). **Assessment:** 2hr exam, report/presentation.

This unit of study critically examines core issues in Abnormal Psychology, concerning the description, explanation and treatment of psychological disorders. The unit of study will include topics such as:

(a) Adult abnormal psychology: Anxiety disorders (specific phobias, panic disorder, agoraphobia, OCD); Addictive disorders (drug, alcohol, gambling); Eating disorders (anorexia nervosa, bulimia nervosa); Mood disorders (dysthymia, major depressive disorder, cyclothymia, bipolar disorder); Schizophrenia, Personality disorders.

(b) Child abnormal psychology: Learning disabilities, Mental retardation, Pervasive developmental disorders; Attention deficit disorder; Conduct disorder; Anxiety disorders; Depression.

Textbooks

See School website

PSYC 3204 Behavioural Neuroscience

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 prac/wk. **Prerequisites:** At least 8 credit points of Intermediate Psychology including PSYC (2111 or 2011). **Assessment:** 2hr exam, class quiz, poster presentation, class participation.

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 intergration 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 website

PSYC 3205 Cognition, Language and Thought

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 2hr prac/fortnight. **Prerequisites:** PSYC (2112 and 2113). **Assessment:** 2hr exam, class quiz, report & class participation.

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 website

PSYC 3206 Developmental Psychology

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Psychology. **Assessment:** 2hr exam, report, tutorial assessment.

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 website

PSYC 3209 Learning and Motivation

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** PSYC (2111 and 2112). **Assessment:** Report, exam.

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 website

PSYC 3210 Perceptual Systems

4 credit points. **Session:** Semester 1. **Classes:** 2 hrs lec & 1 hr lab/wk. **Prerequisites:** PSYC (2111 and 2112). **Assessment:** 2hr exam, tutorial assessment.

This unit covers at an advanced level selected topics in Perception from both the psychophysical and neuroscientific perspectives. Stu-

dents 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 website

PSYC 3211 Psychological Assessment & Organisational

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** At least 8 credit points of Intermediate Psychology including PSYC (2112 or 2012) and PSYC 2114. **Assessment:** 2hr exam, written report.

The Psychological Assessment component covers fundamental issues in the construction, evaluation and administration of psychological tests with particular emphasis on tests of cognitive ability and 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 website

PSYC 3212 Social Psychology

4 credit points. **Session:** Semester 1. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** 8 credit points of Intermediate Psychology including PSYC 2113. **Assessment:** 1.5hr exam, classwork quiz.

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 website

PSYC 3214 Communication and Counselling

4 credit points. **Session:** Semester 2. **Classes:** 2 lec & 1 tut/wk. **Prerequisites:** At least 8 credit points of Intermediate Psychology including PSYC (2113 or 2013) and PSYC (2114 or 2014). **Assessment:** 2 hour examination, tutorial assessments.

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 website

PSYC 3215 Cognitive Neuroscience & Neuropsychology

4 credit points. **Session:** Semester 2. **Classes:** 2 lec/wk & 2 hr lab/fortnight. **Prerequisites:** At least 8 credit points of Intermediate Psychology including two of PSYC (2111 or 2011), PSYC (2112 or 2012), PSYC (2113 or 2013). **Assessment:** 2 hr exam; laboratory class assessment.

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 and acquired disorders to (1) examine the functional neuroanatomy underpinning those cognitive domains and (2) explore the implica-

tions of focal cognitive deficits in neurological patients for models of normal cognitive function.

Textbooks

See School website

Psychology Honours

Prerequisite: Average of Pass with Credit or better in 24 credit points of Intermediate Psychology, and also in at least 24 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 and specialities of staff members);
- (b) write a theoretical thesis or attend two Special Fields seminars and complete required assessment tasks; and
- (c) attend one lecture series in Ethics and Issues in Psychology and two series of lectures in Research Methods.

8. Degree regulations and policies

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

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 I 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

8. Degree regulations and policies

(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 or school in either of the Faculties of Arts, Science or Economics and Business.

Year II

(1) Senior, 200 level, units of study in Education taken as specified in the table of units of study, total of 12 credit points; and

(2) Program of 200 level units of study in Curriculum and Professional Studies in Human Movement and Health Education, as specified in the table of units of study, total of 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 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) Teaching and Learning 1 (D & T).

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) Teaching and Learning 2 (D & T); 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 Education (Aboriginal) of The University of Sydney, or

(b) has completed other qualifications deemed by the Faculty to be equivalent.

(2) Requirements for the degree

(a) Candidates qualify for award of the degree by completing successfully units of study giving credit for a total of 96 credit points

(b) Except with the permission of the Faculty, a candidate for the degree in Aboriginal Studies shall complete the program of units of study as set out in the table of units of study:

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

8. Degree regulations and policies

- (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, 24 credit points; and
 - (2) Specified units of study in Psychology, 24 credit points.

Year V

- (1) Units of study in Education, as specified in the table of units of study, including professional experience, 16 credit points; and
- (2) Specified units of study in Psychology, 20 credit points; and
- (3) Senior units of study selected from Science Table 1, 12 credit points, to complete study in the Science teaching subject 18.

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, 24 credit points; and
- (2) Specified units of study in Psychology, 24 credit points.

Year V

- (1) Units of study in Education, as specified in the table of units of study, including professional experience, 16 credit points; and
- (2) Specified units of study in Psychology, 20 credit points; and
- (3) Senior units of study selected from Arts Table A, 12 credit points, to complete study in the Arts teaching subject Requirements for award of the Bachelor of Education with Honours 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:

8. Degree regulations and policies

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:

(a) 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;

(b) 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

(c) 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:

(a) provide the student with the relevant written reports;

(b) invite the student to present his or her case; and

(c) 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:

(a) allow the student to continue in field education;

(b) 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;

(c) 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

(1) A candidate may not enrol in more than a total of 48 credit points, which must be Junior credit points, in the first two semesters of study, unless advanced standing or credit has been granted to permit enrolment in senior units.

(2) Except with the permission of the Faculty, candidates for the degree may not enrol in additional units of study once the degree requirements, as stated in the resolutions relating to the particular course, have been satisfied.

48. Repeating a unit of study

(1) Where a student enrolls in a unit of study offered by the Faculty of Education and Social Work which is the same as, or has a substantial amount in common with, a unit of study previously attempted but not completed at the grade of Pass or better, the Faculty may exempt the student from certain requirements of the unit of study if satisfied that the relevant competence has been demonstrated.

(2) A student who has been awarded a Pass (Concessional) in a unit of study may repeat that unit, but if subsequently awarded a grade of Pass or better, no further credit points will be gained unless the unit of study previously had not been credited to the degree of Bachelor of Education or Bachelor of Social Work or, in respect of a combined degree, under resolutions relating to the Bachelor of Science or the Bachelor of Arts.

(3) A student who has already passed a unit of study which has been credited to the course may not re-enrol in it in order to gain a better grade.

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:

(1) the unit of study content is material not taught in any corresponding unit of study in the University; or

(2) the student is unable, for good reason, to attend a corresponding unit of study at the University.

50. Restrictions on courses of enrolment

(1) The Faculty of Education and Social Work has prescribed the following courses as mutually exclusive in satisfying the requirements for award of the degree: Life sciences mathematics A and Life sciences mathematics B (with normal units of junior Mathematics in Year 1); and Economics 1001, 1002 with Economics as a social science (ECOP 1001) and Structure and change in modern economics (ECOP 1002)

(2) (a) Except with the permission of the Faculty, candidates for the degree shall not:

(i) enrol in more than 48 credit points each year;

(ii) proceed to the units of study prescribed for Year III until the candidate has fulfilled the requirements of Years I and II;

(3) Except with the permission of the Faculty a candidate may not take a higher unit of study in any unit of study without having previously completed the lower unit(s) of study in the same unit of study or some other unit(s) of study allowed by the Faculty to count as equivalent.

51. Satisfactory progress

(1) If a candidate for the degree fails or discontinues enrolment in one unit of study twice, the candidate may be asked to show good cause why he or she should be permitted to re-enrol in that unit of study.

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 course-work requirements (96 credit points) provided that the content of the work or unit(s) of study is considered by the Faculty on the re-

commendation 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 Thursday 31 March 2005 for Semester 1 and Wednesday 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 Thursday 31 March 2005; for Semester 2 units of study the deadline is Wednesday 31 August 2005.

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 10 June 2005;
- For Semester 2 units of study the deadline is Friday 28 October 2005.

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.

8. Degree regulations and policies

(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 web-site.

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. ()

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 web-site.

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

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.

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.

8. Degree regulations and policies

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:

- indicate a time frame for student feedback
- Publish the process available to students who contest an assessment outcome

Students are entitled to useful feedback 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

8. Degree regulations and policies

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.ed-fac.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.

Sherrington, 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). Houndsmills (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 re-

search 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) & Kaniewska, 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.

For Information on the University Coursework Rule, please see the Sydney University Coursework Rule page.

9. Postgraduate information

The following information is a printed version of the information available through Handbooks Online, on the University of Sydney web site. Please visit "<http://www.usyd.edu.au/handbooks/>" for the most current handbooks 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 (<http://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: m.guerreiro@edfac.usyd.edu.au

Doctor of Philosophy (PhD)

The PhD degree is awarded for a program of original research carried out under the guidance of a supervisor with expertise in the candidate's area of interest. The research is embodied in a thesis of 80,000 words. While the degree is completed by research some units of study may be completed if appropriate.

Doctor of Education (EdD)

The Doctor of Education degree combines research and coursework. The latter involves research training components with group supervision, as well as individual supervision. It is a professionally oriented research program culminating in the production of a thesis of 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.

Designated Master's programs are offered which take a particular focus on a specialised area of study. They include:

- Information Technology in Education
- Coach Education (restricted entry criteria)
- Educational Psychology
- English and Literacies in Education
- Health Education
- Higher Education (restricted entry criteria)
- Human Movement
- International Education
- Educational Management and Leadership
- Research Methodology
- Special Education
- Teaching English to Speakers of Other Languages/Languages
- Teaching and Curriculum Studies

Master of Education (Research)

The aim of the MEd (Research) is to provide students with an advanced level of research training experience in the area of Education that will make a contribution to knowledge in their particular area or specialisation. The MEd (Research) is designed for students who wish to extend their studies primarily by research but who do not have an undergraduate honours degree or other qualification that would allow them to enter into a postgraduate research degree. The MEd (Research) will allow students to develop and demonstrate their research capacity within the Masters degree through thesis only or through a thesis combined with two postgraduate units of study.

Master of 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 and Social Work

Graduate Diplomas and Certificates are available in all the designated areas for the MEd, MSW, and the MPS. Some of these articulate with the 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).

University of Sydney (Coursework) Rule 2000 (as amended)

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

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Preliminary

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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:
 - (a) participate in the learning experiences provided for the unit of study; and
 - (b) meet all examination, assessment and attendance requirements for the unit of study.
- (2) A student who presents for re-assessment in any unit of study is not eligible for any prize or scholarship awarded in connection with that unit of study without the permission of the relevant dean.

11. Time limits

A student must complete all the requirements for an award course within ten calendar years or any lesser period if specified by Resolution of the Senate or the faculty.

Division 5: Discontinuation of enrolment and suspension of candidature

12. Discontinuation of enrolment

(1) A student who wishes to discontinue enrolment in an award course or a unit of study must apply to the relevant dean and will be presumed to have discontinued enrolment from the date of that application, unless evidence is produced showing:

- (a) that the discontinuation occurred at an earlier date; and
- (b) that there was good reason why the application could not be made at the earlier time.

(2) A student who discontinues enrolment during the first year of enrolment in an award course may not re-enrol in that award course unless:

- (a) the relevant dean has granted prior permission to re-enrol; or
- (b) the student is reselected for admission to candidature for that course.

(3) No student may discontinue enrolment in an award course or unit of study after the end of classes in that award course or unit of study, unless he or she produces evidence that:

- (a) the discontinuation occurred at an earlier date; and
- (b) there was good reason why the application could not be made at the earlier time.

(4) A discontinuation of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that discontinuation occurs within the time-frames specified by the University and published by the faculty, or where the student meets other conditions as specified by the relevant faculty.

13. Suspension of candidature

1. A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course. A student who wishes to suspend candidature must first obtain approval from the relevant dean.
2. The candidature of a student who has not re-enrolled and who has not obtained approval from the dean for suspension will be deemed to have lapsed.
3. A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the relevant faculty.
4. A student who enrolls after suspending candidature shall complete the requirements for the award course under such conditions as determined by the dean.

Division 6: Unsatisfactory progress and exclusion

14. Satisfactory progress

A faculty has authority to determine what constitutes satisfactory progress for all students enrolled in award courses in that faculty, in accordance with the policies and directions of the Academic Board.

15. Requirement to show good cause

1. For the purposes of this Rule, good cause means circumstances beyond the reasonable control of a student, which may include serious ill health or misadventure, but does not include demands of employers, pressure of employment or time devoted to non-University activities, unless these are relevant to serious ill health or misadventure. In all cases the onus is on the student to provide the University with satisfactory evidence to establish good cause. The University may take into account relevant aspects of a student's record in other courses or units of study within the University and relevant aspects of academic studies at other institutions provided that the student presents this information to the University.

2. The relevant dean may require a student who has not made satisfactory progress to show good cause why he or she should be allowed to re-enrol.
3. The dean will permit a student who has shown good cause to re-enrol.

16. Exclusion for failure to show good cause

The dean may, where good cause has not been established:

- (1) exclude the student from the relevant course; or
- (2) permit the student to re-enrol in the relevant award course subject to restrictions on units of study, which may include, but are not restricted to:

- (a) completion of a unit or units of study within a specified time;
- (b) exclusion from a unit or units of study, provided that the dean must first consult the head of the department responsible for the unit or units of study; and
- (c) specification of the earliest date upon which a student may re-enrol in a unit or units of study.

17. Applying for re-admission after exclusion

1. A student who has been excluded from an award course or from a unit or units of study may apply to the relevant dean for 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:

- (i) 3 *ex officio* members (the Chancellor, the Deputy Chancellor and the Vice-Chancellor and Principal);
- (ii) the Chair and Deputy Chairs of the Academic Board;
- (iii) 2 student Fellows; and
- (iv) 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:

- (i) *ex officio* member;
- (ii) Chair or Deputy Chair of the Academic Board;
- (iii) student Fellow; and
- (iv) other Fellows.

(d) Three members shall constitute a quorum for a meeting of the Appeals Committee or a 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.

General University information

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

See also the Glossary for administrative information relating to particular terms.

Accommodation Service

The Accommodation Service helps students find off-campus accommodation. The service maintains an extensive database of accommodation close to the Camperdown and Darlington Campus or within easy access via public transport. Currently enrolled students can access the database online through the MyUni student portal, or the accommodation website (<http://www.usyd.edu.au/accom>).

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

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty. If you are an Australian citizen or a permanent resident but have qualifications from a non-Australian institution phone (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 (see International Student Centre entry).

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

Applying for a course

Local applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment 'local applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission into an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC). The deadline for application is the last working day of September in the year before enrolment. Go to the UAC website for more information.

Note that some faculties, such as Pharmacy, the Sydney Conservatorium of Music and Sydney College of the Arts, have additional application procedures.

Local applicants for postgraduate courses and programs of study

For the purpose of admission and enrolment 'local applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the Master's qualifying or

preliminary program and for non-award postgraduate study can be found at the student centre website (<http://www.usyd.edu.au/su/studentcentre/applications/applications.html>).

Please note that some faculties use their own specially tailored application forms for admission into their courses. Please contact the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

'International applicants' refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission through the University's International Office (IO) (see International Student Centre entry). All the information international applicants need, including application forms, is available from the IO website (<http://www.usyd.edu.au/io>).

Assessment

For assessment matters refer to the relevant department or school.

Careers Centre

The Careers Centre 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

Fax: (02) 9351 4869
Email: admissions@records.usyd.edu.au
Web: www.usyd.edu.au/su/studentcentre (<http://www.usyd.edu.au/su/studentcentre>)

Casual Employment Service

The Casual Employment Service helps students find casual and part-time work during their studies and during University vacations. The service maintains a database of casual employment vacancies. Currently enrolled students can access the database online through the MyUni student portal, or the casual employment website (http://www.usyd.edu.au/cas_emp).

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 (http://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: history and culture, creative arts, social sciences, languages, IT, business and overseas study tours. Courses are open to everyone.

The centre relocated at the end of 2004. Please refer to the centre's website for up-to-date contact details, or phone the existing general enquiry number (02) 9351 4789 for redirection.

Sydney University Village, L03
The University of Sydney
NSW 2006 Australia

Ph: (02) 9351 4789
 Fax: (02) 9351 4793
 Email: info@cce.usyd.edu.au
 Web: www.cce.usyd.edu.au

Centre for English Teaching

The Centre for English Teaching (CET) offers English language and academic study skills programs to students from overseas and Australian residents from non-English speaking backgrounds who need to develop their English language skills to meet academic entry requirements.

Mallett Street Campus, M02

Phone: (02) 9351 0760
 Fax: (02) 9351 0710
 Email: info@cet.usyd.edu.au
 Web: www.usyd.edu.au/cet (<http://www.usyd.edu.au/cet>)

Child care

Contact the Child Care Information Officer for information about child care for students and staff of the University who are parents. For details of centres, vacation and occasional care see the child care website (<http://www.usyd.edu.au/childcare>).

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

The Co-op Bookshop

The Co-op Bookshop is a one-stop bookshop for:

- textbooks;
- general books;
- course notes;
- reference books; and
- software at academic prices.

Lifetime membership costs \$25.00 and gives a 10 per cent discount on purchases (conditions apply).

Sports and Aquatic Centre Building, G09

Phone: (02) 9351 3705
 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. Counselling is free and confidential. The service provides short-term, problem-focused counselling to promote psychological wellbeing and to help students develop effective and realistic coping strategies. The service runs a program of workshops during each semester. For details of workshops, activities and online resources provided by the service see the website (<http://www.usyd.edu.au/counsel>).

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

Disability Services

Disability Services is the principal point of contact for advice on assistance available for students with disabilities. The service works

closely with academic and administrative staff to ensure that students receive reasonable accommodations in their areas of study. Assistance available includes the provision of note taking, interpreters and advocacy with academic staff to negotiate assessment and course requirement modifications where appropriate.

Level 7, Education Building, A35
 The University of Sydney
 NSW 2006 Australia

Phone: (02) 9351 7040
 Fax: (02) 9351 3320
 TTY: (02) 9351 3412
 Email: disserv@stuserv.usyd.edu.au
 Web: www.usyd.edu.au/disability (<http://www.usyd.edu.au/disability>)

Enrolment and pre-enrolment

Students entering first year

Details of enrolment procedures will be sent to you with your UAC offer of enrolment. Enrolment takes place at a specific time and date, usually during the last week of January, depending on your surname and the faculty in which you are enrolling. You must attend the University in person or else nominate somebody in writing to act on your behalf. On enrolment day you pay the compulsory fees for joining the Student Union, the Students' Representative Council and sporting bodies. You also nominate your preferred payment option, either 'up front' or deferred, for your Higher Contribution Scheme (HECS) liability. You will also choose your first-year units of study, so it's important to consult the appropriate faculty handbook before enrolling.

All other students

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for pre-enrolment.

Environmental Policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use; and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University wide Sustainable Campus Program.

Enquiries can be directed to the Manager, Environmental Strategies 93512063.janet.broady@usyd.edu.au or go to www.usyd.edu.au/fmo (<http://www.usyd.edu.au/fmo>) and click on 'Sustainable Campus'.

Examinations

The Examinations and Exclusions Office looks after the majority of examination arrangements and student progression. Some faculties, such as the Sydney Conservatorium of Music, make all examination arrangements for the units of study that they offer.

Examinations and Exclusions Office
 Student Centre
 Level 1, Carlaw Building, F07
 The University of Sydney
 NSW 2006 Australia

Phone: (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 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 of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University. The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent; phone and electricity bills; medical expenses; buying textbooks and course equipment. Loans are interest free and are repayable usually within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. For details of types of assistance and online resources provided by the service see the website (http://www.usyd.edu.au/fin_assist).

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 (http://www.usyd.edu.au/fin_assist)

Freedom of information

The University of Sydney falls within the jurisdiction of the *NSW Freedom of Information Act, 1989*. The act:

- requires information concerning documents held by the University to be made available to the public;
- enables a member of the public to obtain access to documents held by the University; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

(Note that a 'member of the public' includes staff and students of the University)

It is a requirement of the act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While application may be made to access University documents, some may not be released in accordance with particular exemptions provided by the act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information (FOI) activities on a regular basis. The two reports produced are the *Statement of Affairs* and the *Summary of Affairs*. The *Statement of Affairs* contains information about the University, its structure, function and the kinds of documents held. The *Summary of Affairs* identifies the University's policy documents and provides information on how to make an application for access to University documents.

Further information and copies of the current reports may be found at www.usyd.edu.au/arms/foi (<http://www.usyd.edu.au/arms/foi>).

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Carslaw Building, F07
The University of Sydney
NSW 2006 Australia

Phone: (02) 9351 3199, (02) 9351 4009
Protocol: (02) 9351 4612
Fax: (02) 9351 5072

(Grievances) appeals

You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters.

In some cases the by-laws or resolutions of the Senate (see the University Calendar) provide for a right of appeal against particular decisions; for example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, at the SRC, and on the University's policy online website (<http://www.usyd.edu.au/policy>) (click on 'Study at the University', then click on 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Students' Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Phone: (02) 9660 5222

HECS and Fees Office

Student Centre
Ground Floor, Carslaw 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 or through the University Access Labs (<http://www.usyd.edu.au/su/is/labs>). The access labs on the Camperdown and Darlinghurst Campuses are located in:

- Fisher Library (Level 2);
- Carslaw Building (Room 201);
- Education Building (Room 232);
- Christopher Brennan Building (Room 232);
- Engineering Link Building (Room 222); and
- Pharmacy and Bank Building (Room 510).

Other labs are available at the Law, 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 website.

Each student is supplied with an account, called a 'Unikey' (extro) account, which allows access to a number of services including:

- free email (www-mail.usyd.edu.au (<http://www.usyd.edu.au/about/publication/pub/calendar.shtml>));
- access to the Internet from home or residential colleges (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 MyUni student portal (<http://my-uni.usyd.edu.au>), including exam results, enrolment and variations and timetabling; and
- free courses in basic computing (such as MS Office; basic html and photoshop) that are run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on 02 9351 6870.

ITS Helpdesk
University Computer Centre, H08
The University of Sydney
NSW 2006 Australia

Phone: (02) 9351 6000
 Fax: (02) 9351 6004
 Email: [[support@isu.usyd.edu.au|support@isu.usyd.edu.au
 Web: www.helpdesk.usyd.edu.au

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 IO 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 (<http://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 (<http://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 (<http://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 (<http://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 at the University's Cumberland Campus. Yooroang Garang provides advice, assistance and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre

Ground Floor, Old Teachers College, A22
 The University of Sydney
 NSW 2006 Australia

Phone: (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 over 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 develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential throughout their undergraduate and postgraduate studies. The centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, a special program for international students, faculty-based workshops, computer-based learning resources, publications of learning resources and library facilities. For details of programs, activities and online resources provided by the centre see the website (<http://www.usyd.edu.au/lc>).

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

Library

The University of Sydney Library, the largest academic library in the Southern Hemisphere, is a network of 20 libraries located on nine campuses. The Library website provides access to services and resources, anywhere at anytime. The locations, opening hours and subject specialities of the libraries are listed on the website.

Over five million items are available via the Library catalogue, including more than 40,000 electronic journals and 270,000 electronic books. Past exam papers are also available online. Enrolled students are entitled to borrow from any of the University Libraries. More information is available on the website.

Reading list items are available via the reserve service. Increasingly, reading list material is becoming available in electronic form. For details see the reserve service website.

Library staff are always available to support students in their studies. 'Ask a Librarian' in person, by email, or by using an online chat service.

A specialist librarian is available for all discipline areas and will provide training in finding high quality information. Courses cover a range of skills including research methodology, database searching, effective use of the Internet and the use of reference management software. See the subject contact page.

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

The *Client Service Charter* describes the Library's commitment to supporting students' learning, including those with special needs. See the *Client Service Charter* online. Your comments and suggestions are always welcome. *University of Sydney Library, F03 University of Sydney NSW 2006 Australia Phone: (02) 9351 2993 (general enquiries) Fax: (02) 9351 2890 (administration), (02) 9351 7278 (renewals) Email: [[loanenq@library.usyd.edu.au|loan-enq@library.usyd.edu.au (loan enquiries), [[reqill@library.usyd.edu.au|reqill@library.usyd.edu.au (inter-library loans) Web: www.library.usyd.edu.au*

Mathematics Learning Centre

The Mathematics Learning Centre assists undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first level mathematics or statistics units at university. The centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides ongoing support to eligible students during the year through individual assistance and small group tutorials. For details of activities and online resources provided by the centre see the website www.usyd.edu.au/mlc.

Level 4, Carslaw 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 (<http://www.usyd.edu.au/mlc>)

MyUni student portal

Launched in July 2004, the MyUni student portal is the starting point and 'one-stop' environment for students to access all their web-based University information and services. MyUni automatically tailors what a student sees based on their login-in and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services for students in health, counselling, child care, accommodation, employment and wellbeing;
- student administration systems for obtaining exam results, enrolment and variations, timetabling, email services and links to courses and units of study information;
- links to the University's e-learning systems;
- library services;
- notices and student alerts;
- information technology and support services;
- information for international students; and
- Campus maps, with descriptions of cultural, sporting and campus facilities.

Part-time, full-time

Undergraduate students

Undergraduate students are usually considered full-time if they have a 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)

For postgraduate coursework students part-time or full-time status is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load. Please note that classes for some coursework programs are held in the evenings (usually 6–9pm).

Postgraduate students (research)

Full-time candidates for research degrees do not keep to the normal semester schedule, instead they work continuously throughout the year with a period of four weeks' recreation leave. There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt you should consult your faculty or supervisor.

International students

Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Privacy

The University is subject to the *NSW Privacy and Personal Information Protection Act 1998* and the *NSW Health Records and Information Privacy Act 2002*. Central to both acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information. In compliance with the *Privacy and Personal Information Protection Act* the University developed a *Privacy Management Plan* which includes the *University Privacy Policy*. The *Privacy Management Plan* sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the *University Privacy Policy* were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at www.usyd.edu.au/arms/privacy (<http://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 (<http://www.usyd.edu.au/scholarships>)

Student Centre

Ground Floor, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia

Phone: (02) 9351 3023 (general enquiries)
Academic records: (02) 9351 4109
Discontinuation of enrolment: (02) 9351 3023
Handbooks: (02) 9351 5057
Prizes: (02) 9351 5060
Fax: (02) 9351 5081, (02) 9351 5350 (academic records)

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

Student identity cards

The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card. The card must be carried at all times on the grounds of the University and must be shown on demand. Students are required to provide a passport-sized colour photograph of their head and shoulders for lamination on to this card. Free lamination is provided at a range of sites throughout the University during the January/February enrolment/pre-enrolment period. Cards that are not laminated, or do not include a photograph, will be rejected. New identity cards are required for each year of a student's enrolment.

Student Services

The University provides personal, welfare, and academic support services to facilitate your success at University. Many factors can impact on your wellbeing while studying at university and student services can assist you in managing and handling these more effectively. For details of services and online resources provided see the Student Services website (<http://www.usyd.edu.au/stuserv>).

The Sydney Summer School

Most faculties at the University offer units of study from undergraduate degree programs during summer. There are also some units of study available for postgraduate coursework programs from some faculties. As the University uses its entire quota of Commonwealth supported places in first and second semester, these units are full fee-paying for both local and international students and enrolment is entirely voluntary. However, Summer School units enable students to accelerate their degree progress, make up for a failed unit or fit in a unit which otherwise would not suit their timetables. New students may also gain a head start by completing subjects before they commence their degrees. Units start at various times from late November and run for up to six weeks (followed by an examination week). Notice of the units available is on the Summer School website and is usually circulated to students with their results notices. A smaller Winter School is also run from the Summer School office. It commences on 4 July and runs for up to three weeks (followed by an examination week). It offers mainly postgraduate and a few undergraduate units of study. Information can be found on the Summer School website.

Timetabling unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester 1 timetables are available from the Wednesday of O Week on the Student Centre website (<http://www.usyd.edu.au/su/studentcentre>).

The Sydney Conservatorium of Music operates produces its own 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

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

Students' Representative Council

The Students' Representative Council (SRC) is the organisation which represents undergraduates both within the University and in the wider community. All students enrolling in an undergraduate course automatically become members of the SRC.

Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Phone: (02) 9660 5222 (editors, Honi Soit/Legal Aid)
Second-hand Bookshop: (02) 9660 4756
Mallet Street: (02) 9351 0691
Conservatorium: (02) 9351 1291
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.supra.usyd.edu.au

Sydney University Sport

Sydney University Sport provides services, facilities and clubs for sport, recreation and fitness.

University 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
Web: www.susport.com

University of Sydney Union

The University of Sydney Union is the main provider of catering facilities, retail services, welfare programs and social and cultural events for the University community on the Camperdown and Darlington campuses and at many of the University's affiliated campuses.

University of Sydney Union
Level 1, Manning House, A23
The University of Sydney
NSW 2006 Australia

Phone: 1800 013 201 (switchboard)
Fax: (02) 9563 6109
Email: info@usu.usyd.edu.au
Web: www.usydunion.com

Abbreviations and glossary

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

For a glossary of terms, describing the terminology in use at the University of Sydney, please see the glossary section.

Abbreviations

Listed below are the more commonly used acronyms that appear in University documents and publications.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A	
AARNet	Australian Academic Research Network
AAUT	Australian Awards for University Teaching
AAM	Annual Average Mark
ABC	Activity Based Costing
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Co-operation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARTS	Automated Results Transfer System
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATP	Australian Technology Park
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
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHESSN	Commonwealth Higher Education System Student Number
CHS	College of Health Sciences
CIO	Chief Information Officer
COE	Confirmation of Enrolment
CPSU	Community and Public Sector Union
CRC	Cooperative Research Centre
CREO	Centre for Regional Education, Orange
CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
CRRI	Centre for Rural and Regional Innovation

Abbreviations and glossary

CSIRO	Commonwealth Scientific and Industrial Research Organisation
CST	College of Sciences and Technology
CULT	Combined Universities Language Test
CUTSD	Committee for University Teaching and Staff Development

D	
DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
D-IRD	Discovery-Indigenous Researchers Development Program
DVC	Deputy Vice-Chancellor

E	
EB	Enterprise Bargaining
EFTSU	Equivalent Full-Time Student Unit
EFTSL	Equivalent Full-Time Student Load
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act

F	
FFT	Fractional Full Time (Equivalent Staff)
FlexSIS	Flexible Student Information System
FHS	Faculty of Health Sciences
FMO	Facilities Management Office
FOS	Field of Study
FTE	Full Time Equivalent (Staff)
FRM	Faculty of Rural Management

G	
GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate Destination Survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GSG	Graduate School of Government
GWSLN	Greater Western Sydney Learning Network

H	
HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program
HEFA	Higher Education Funding Act 1988
HEIMS	Higher Education Information Management System
HEIP	Higher Education Innovation Programme (DEST)
HELP	Higher Education Loan Programme
HEO	Higher Education Officer
HEP	Higher Education Provider
HERDC	Higher Education Research Data Collection
HESA	Higher Education Support Act
HOD	Head of Department

I	
IAF	Institutional Assessment Framework (This is a new name for what was previously the DEST Profile process.)
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
ICTR	Information and Communication Technology Resources
IELTS	International English Language Testing Scheme
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual Property
IPRS	International Postgraduate Research Scholarships

IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services

J	
JASON	Joint Academic Scholarships 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	
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

Abbreviations and glossary

RQU	Recognition Quality Unit (Higher Education Division - DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent School Leaver
RTS	Research Training Scheme (DEST)

S	
SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SEG	Senior Executive Group
SES	Socioeconomic Status
SI	Scholarship Index
SLE	Student Learning Entitlement
SNA	Safety Net Adjustment
SPIRT	Strategic Partnerships with Industry - Research and Training Scheme
SPR	Student Progress Rate
SRC	Students' Representative Council
SSR	Student/Staff Ratio
STABEX	Study Abroad Exchange (database)
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney University Sport

T	
TAFE	Technical and Further Education
TOEFL	Test of English as a foreign language
TPI	Teaching Performance Indicator

U	
UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UPA	University Postgraduate Awards

V	
VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training

W	
WAM	Weighted Average Mark
WRP	Workplace Reform Program
WTO	World Trade Organisation

Y	
YFE	Year of First Enrolment

Abbreviations and glossary

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

For a table of the more commonly used acronyms and abbreviations that appear in University documents and publications please see the abbreviations section.

Glossary

This glossary describes terminology in use at the University of Sydney.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

AAM - Annual Average Mark

The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

(sums over all UoS's completed in the selected period)

$$AAM = \frac{\sum (\text{marks} \times \text{creditPointValue})}{\sum (\text{creditPointValue})}$$

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark - 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included.

Academic Board

The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving, or recommending to Senate for approval, new or amended courses and units of study and policy relating to the admission and candidature of students. (For further information, see the University Calendar.)

Academic cycle

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester 1 through to the completion of the processing of results at the end of Semester 2. (See also Stage.)

Academic dishonesty

Academic dishonesty occurs when a student presents another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams. (See also Plagiarism.)

Academic record

The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student. (See also Academic transcript.)

Academic transcript

A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal. (See also External transcript, Internal transcript.)

Academic year

The current calendar year in which a student is enrolled. (See also Academic cycle, Stage.)

Admission

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis

The main criteria used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies; work experience; special admission; and the Universities Admission Index (UAI).

Admission (deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode

A classification based on how a student was admitted to a course, for example 'UAC' or 'direct'.

Admission period

The period during which applications for admission to courses are considered.

Admission year

The year the student expects to begin the course (see also Commencement date).

Advanced diplomas

See Award course

Advanced standing

See Credit.

Advisor

A member of academic staff appointed in an advisory role for some postgraduate coursework students. (See also Associate supervisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Aegrotat

In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

Alumni Sidneienses

A searchable database of graduates of the University from 1857 to 30 years prior to the current year.

Annual Progress Report

A form which is used to monitor a research student's progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student's official file.

Appeals

Students may lodge an appeal against academic or disciplinary decisions. An academic appeal (e.g. against exclusion) is managed by the Student Centre - Exclusions Office while it is under consideration and a record of the outcome of the appeal will be retained.

Assessment

The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations. (See also Result processing, Result processing schedule.)

Formative assessment

Formative assessment is used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limitations in their knowledge and understanding.

Summative assessment

Summative assessment is used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor

A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision. (See also Advisor, Instrumental supervisor/teacher, Research supervisor, Supervision.)

Assumed knowledge

For some units of study, a student is assumed to have passed a relevant subject at the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study. (See also Prerequisite.)

Attendance pattern

Attendance pattern is classified as full-time, part-time or external, this is dependant on the student's mode of attendance and the student load.

Attendance mode

A Department of Education, Science and Technology (DEST) classification defining the manner in which a student is undertaking a course, i.e. internal, external, mixed or offshore.

Australian Graduate School of Management (AGSM)

A joint venture with the University of New South Wales. The AGSM is derived from the Graduate School of Business at the University of Sydney and the then AGSM at the University of New South Wales.

Australian Qualifications Framework (AQF)

The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY

Austudy provides financial help to students who are aged 25 years or more who meet the required criteria, and is undertaking an approved full-time course at an approved institution. (See also Youth Allowance.)

Automated Results Transfer System (ARTS)

This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award Course

(See Course)

B

Bachelor's degree

The highest undergraduate award offered at the University. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent. (See also Award course)

Barrier

An instruction placed on a student's record that prevents the student from re-enrolling or graduating. (See also Deadlines (fees), Suppression of results).

Board of Studies

An academic body which supervises a course or courses, and which is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

Bursaries

Financial award made to a student, based primarily on need. (See also Scholarships).

C

Cadigal Program

A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Campus

The grounds on which the University is situated. There are 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)
- Surry Hills (Dentistry).

Cancellation

Where enrolment is cancelled for non-payment of fees.

Candidature

Candidature commences when a student is admitted to a course of study leading to the award of a degree, diploma or certificate. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full time or part time student.

Census date

The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST. (see also HECS)

Ceremony

See Graduation ceremony.

Chancellor

The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical Experience

Students undertake clinical placements in a professional environment as part of their course requirements. Many require University approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

College of Health Sciences

Consists of the Faculties of Dentistry; Health Sciences; Medicine; Nursing; and Pharmacy.

College of Humanities and Social Sciences (CHASS)

Consists of the Faculties of Arts; Economics and Business; Education; Law; the Sydney College of the Arts; and the Sydney Conservatorium of Music.

College of Sciences and Technology (CST)

Consists of the Faculties of Agriculture, Food and Natural Resources; Architecture; Engineering; Rural Management; Science; and Veterinary Science.

Combined course

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree

A combined degree is a single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions). (See also Combined course.)

Commencement date

The date a student commences candidature.

Compulsory subscriptions

Each enrolled student is liable to pay annual (or semester) subscriptions, as determined by the Senate, to the student organisations at the University. There are different organisations for undergraduate and postgraduate students.

The student organisations are specific to different campuses. The organisations at campuses other than Camperdown and Darlington include: the Conservatorium Student Association, the Cumberland Student Guild, the Orange Agricultural College Student Association and the Student Association of Sydney College of the Arts. (See also Compulsory subscription exemption, Joining fee, Life membership.)

Compulsory subscription exemption

Students of a certain age or those with disabilities or medical conditions may be exempt from the subscription to the sports body.

Conscientious objectors to the payment of subscriptions to unions of any kind may apply to the Registrar for exemption. The Registrar may permit such a student to make the payment to the Jean Foley Bursary Fund instead. (See also Compulsory subscriptions.)

Confirmation of Enrolment form (COE)

This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally.

A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures

Two or more institutions 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 the University of New South Wales (UNSW) and the University of Technology Sydney (UTS), whereby students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

Continuing professional education

A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long term relationship between the student and the University.

Convocation

The body comprising all graduates of the University.

Core unit of study

A unit of study that is compulsory for a particular course or subject area. (See also Unit of study.)

Co-requisite

A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS. (See also Prerequisite, Waiver.)

Cotutelle scheme

Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing 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 undertaking of study at the University of Sydney

Award course

A formal course of study that will see attainment of a recognised award.

Award courses are approved by Senate, on the recommendation of the Academic Board. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research. (See also Bachelor's degree, Course rules, Diploma, Doctorate, Major, Master's degree, Minor, PhD, Stream.)

Non-award course

Studies undertaken by students who are not seeking an award from the University. (See also Cross-institutional enrolment.)

Coursework

An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original, supervised, other forms of instruction and learning normally will be dominant.

Research

A course in which at least 66% of the overall course requirements involve students in undertaking supervised research, leading to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias

A unique five character alpha-numeric code which identifies a University course.

Course code

See Course alias.

Course enrolment status

A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. 'Not enrolled' reasons include: cancelled; suspended; under examination; or terminated. (See also Cancellation, Candidature, Course leave, Enrolment, Enrolment variation, Terminated, Under examination.)

Course leave

Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission. (See also Progression.)

Course rules

Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated, e.g. a candidate may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, e.g. a candidate must have completed a minimum of 144 credit points. (See also Award course, Co-requisite, Pre-requisite.)

Course suspension

See Course leave.

Course transfer

A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (e.g. from a PhD to a Master's program in the same faculty).

Credit

The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. Credit may be granted as specified credit or non-specified credit.

Specified credit

The recognition of previously completed studies as directly equivalent to units of study.

Non-specified credit

A 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study. (See also AAM - Annual Average Mark, Waiver, Weighted Average Mark (WAM).)

Credit points

The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study will have a credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

Cross-institutional enrolment

An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a HECS liability or tuition fee charge at the institution at which the unit of study is being undertaken. Students pay compulsory subscriptions to one university only (usually their home university,

i.e. the university which will award their degree). (See also Non-award course).

D

The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A sub-committee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and the Planning Support Office.

Deadlines (enrolment variations)

See Enrolment variation.

Deadlines (fees)

The University has deadlines for the payment of fees (e.g. HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record. (See also Barrier, Cancellation.)

Dean

The head of a faculty, or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of Arts).

Dean's certificate

A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

Deferment (Deferral)

See Admission (deferment), Course leave.

Degree

See also Award course, Bachelor's degree.

Delivery mode

Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, i.e. an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Distance Education

Where subject matter is delivered in a more flexible manner, such as correspondence notes, and student may only attend campus if required. (See also Extended Semester, Distance Education, International - Off shore)

Intensive on campus

Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On Campus (Normal)

Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department

See School.

Department of Education, Science and Training (DEST)

The Commonwealth Government department responsible for higher education.

Differential HECS

See Higher Education Contribution Scheme (HECS).

Diploma

The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course. (See also Award course.)

Direct admissions

For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome. (See also Admission, UAC.)

Disability information

Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature.

Disciplinary action

Undertaken as the result of academic or other misconduct, e.g. plagiarism, cheating, security infringement, criminal activity.

Discipline

A defined area of study, for example, chemistry, physics, economics.

Discipline group

A DEST code used to classify units of study in terms of the subject matter being taught or being researched.

Discontinuation (course)

See Enrolment variation.

Discontinuation (unit of study)

See Enrolment variation.

Dissertation

A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance Education

Where a student does not attend campus on a daily basis for a given course or Unit of Study. (See also Delivery mode, Extended Semester.)

Doctorate

A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a master's degree course. Note that the doctorate course is not available in all departments at the University. (See also Award course, PhD.)

Domestic Student

A student who is not an international student (see also Local Student)

Double degree

A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade

Where a student enrolled in a PhD reverts to a Master's by Research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

E**Equivalent Full-Time Student Unit (EFTSU)**

The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated 1 EFTSU. (See also Load, Stage)

Equivalent Full-Time Student Load (EFTSL)

The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis. (effective 1 January, 2005)

Embedded courses

Award courses in the Graduate Certificate, Graduate Diploma and Master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, e.g. the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment

A student enrolls in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing

An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing

Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol. (See also Pre-enrolment.)

Enrolment list

A list of all currently enrolled students in a particular unit of study. (See also Unit of study.)

Enrolment status

See Course enrolment status.

Enrolment variation

Students may vary their enrolment at the beginning of each semester. Each faculty determines its deadlines for variations, but HECS liability depends on the HECS census date. (See also HECS.)

Examination

A set of questions or exercises evaluating on a given subject given by a department or faculty. (See Examination period, Assessment.)

Examination period

The time set each semester for the conduct of formal examinations.

Examiner (coursework)

The person assessing either the written/oral examination, coursework assignments, presentations, etc of a student or group of students.

Exchange student

Either a student of the University of Sydney who is participating in a formally agreed program involving study at an overseas university or an overseas student who is studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion

A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show good cause' why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered.

University policy relating to exclusion is set out in the University Calendar. (See also Progression, Senate appeals.)

Exemption

A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment. (See also Credit, Waiver.)

Expulsion

The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

- the student is not allowed to be admitted or to re-enrol in any course at the University;
- the student does not receive their results;
- the student is not allowed to graduate; and
- the student does not receive a transcript or testamur.

Extended semester

A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, e.g. drought, flood or illness, affect the student's ability to complete the module or program in the specified time. (See also Distance Education.)

External

See Attendance mode, Distance Education.

External transcript

A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course to-

gether with the result. It also acknowledges prizes the student has received. Marks can be included or omitted, as required. (See also Academic transcript, Internal transcript.)

F**Faculty**

A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The University Calendar sets out the constitution of each of the University's faculties. (See also Board of studies, Supervising faculty.)

Fee-paying students

Students who pay tuition fees to the University and are not liable for HECS.

Flexible learning

See Delivery mode, Distance Education.

Flexible Start Date

Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or HECS students.

Flexible Student Information System (FlexSIS)

The computer-based Flexible Student Information System at the University of Sydney. FlexSIS holds details of courses and units of study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment

See Assessment.

Full-time student

See also Attendance Pattern, EFTSU.

G**Grade**

The outcome for a unit of study linked with a mark range. For example, a mark in the range 85-100 attracts the grade 'high distinction' ('HD'). (See also Mark.)

Grade	Description	Comment
HD	High distinction	a mark of 85-100
D	Distinction	a mark of 75-84
CR	Credit	a mark of 65-74
P	Pass	a mark of 50-64
R	Satisfied requirements	This is used in pass/fail only outcomes.
UCN	Unit of study continuing	Used at the end of semester for units of study that have been approved to extend into a following semester. This will automatically flag that no final result is required until the end of the last semester of the unit of study.
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. Each faculty will determine and state in its course regulations what proportion, if any, may count - e.g., no more than one sixth of the total credit points for a course can be made up from PCON results'.
F	Fail	A mark of 0-49. This grade may be used for students with marks of 46-49 in those faculties which do not use PCON.
AF	Absent fail	Includes non-submission of compulsory work (or non-attendance at compulsory labs, etc) as well as failure to attend an examination.
W	Withdrawn	Not recorded on an external transcript. This is the result that obtains where a student applies to discontinue a unit of study by the HECS census date (i.e. within the first four weeks of enrolment).

DNF	Discontinued - not to count as failure	Recorded on external transcript. This result applies automatically where a student discontinues after the HECS Census Date but before the end of the seventh week of the semester (or before half of the unit of study has run, in the case of units of study which are not semester-length). A faculty may determine that the result of DNF is warranted after this date if the student has made out a special case based on illness or misadventure.
INC	Incomplete	This result is used when examiners have grounds (such as illness or misadventure) for seeking further information or for considering additional work from the student before confirming the final result. Except in special cases approved by the Academic Board, this result will be converted to a normal permanent passing or failing grade either: by the dean at the review of examination results conducted pursuant to section 2 (4) of the Academic Board policy 'Examinations and Assessment Procedures'; or automatically to an AF grade by the third week of the immediately subsequent academic session. Deans are authorised to approve the extension of a MINC grade for individual students having a valid reason for their incomplete status.
UCN	Incomplete	A MINC or INC grade is converted, on the advice of the dean, to UCN when all or many students in a unit of study have not completed the requirements of the unit. The students may be engaged in practicum or clinical placements, or in programs extending beyond the end of semester (e.g. Honours).

Graduand

A student who has completed all the requirements for an award course but has not yet graduated. (See also Graduation, Potential graduand.)

Graduate

A person who holds an award from a recognised tertiary institution. (See also Graduand, Graduation.)

Graduate Certificate

See Award course.

Graduate Diploma

See Award course.

Graduation

The formal conferring of awards either at a ceremony or in absentia. (See also In absentia, Potential graduand.)

Graduation Ceremony

A ceremony where the Chancellor confers awards upon graduands.

Group work

Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment. (See also Legitimate cooperation)

H**Head of Department (HOD)**

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher Doctorates

See Award course.

HECS (Higher Education Contribution Scheme)

All students, unless they qualify for an exemption, are obliged to contribute towards the cost of their education under the Higher Education Contribution Scheme. These contributions are determined annually by the Commonwealth Government. This scheme will cease in its current form from 1 January, 2005

Honorary degrees

A degree *honoris causa* (translated from the Latin as 'for the purpose of honouring') is conferred on a person whom the University wishes

to honour. Long-standing full-time members of the University's academic staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission ad eundem gradum, to an appropriate degree of the University.

Honours

Some degrees may be completed 'with Honours'. This may involve either the completion of a separate Honours year or additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II – which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)

The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

I**In absentia**

Latin for 'in the absence of'. Awards are conferred in absentia when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated in absentia may later request that they be presented to the Chancellor at a graduation ceremony. (See also Graduation.)

Instrumental supervisor / teacher

All students at the Sydney Conservatorium of Music and BMus students on the Camperdown Campus have an instrumental teacher appointed. (See also Advisor, Associate supervisor, Research supervisor, Supervision.)

Internal Mode

See Attendance mode.

Internal transcript

A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course together with the unit of study result. (See also Academic transcript, External transcript.)

International student

Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees

Abbreviations and glossary

Fee paying

A private International Student who is liable to pay tuition fees for their studies with the University.

Fee Paying - Outgoing Exchange

An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International - Cross Institutional

An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rest with their 'home' institution.

International - Sponsored

A private International Student who are fully sponsored for their tuition; their sponsorship may also cover Overseas Health Cover and Compulsory Subscriptions.

Offshore Studies

International offshore students undertake their program of study at one of the University's offshore campuses and hence do not enter Australia; therefore they do not require a visa. They are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short Course

An international fee-paying student undertaking a short course with the University of Sydney comprising such programs as international development programs, executive training or study visits. The study undertaken by these students is non award and generally a student visa is not required.

Sponsored Award

An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad

An international student who is undertaking short-term study at the University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and are continuing towards the degree of their home institution.

(See also Local student, Student type.)

J

Joining fee

Students enrolling for the first time pay a joining fee in addition to the standard subscription for the University of Sydney Union or equivalent student organisation. (See also Compulsory subscription.)

L

Leave

See Course leave.

Legitimate co-operation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through interaction between students. (See also Group work.)

Life membership

Under some circumstances (e.g. after five full-time years of enrolments and contributions) students may be granted life membership of various organisations. This means they are exempt from paying yearly fees. (See also Compulsory subscriptions.)

Load

The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent Full-Time Student Units (EFTSU). (See also Equivalent Full-Time Student Units (EFTSU).)

Local student

Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront. (See also Domestic student, HECS, International student.)

M

Major

A field of study, chosen by a student, to represent their principal interest this would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduands assessment of study. (See also Award course, Minor, Stream.)

Major Timetable Clash

The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark

An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study. (See also Grade.)

Master's degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an Honours year at an undergraduate level. (See also Award course.)

Method of candidature

A course is either a research course or a coursework course and so the methods of candidature are 'research' and 'coursework'. (See also Course - Coursework, Course - Research.)

Minor

Studies undertaken to support a Major. Requiring a smaller number of credit points than a major students select and transfer between minors (and majors) by virtue of their selection of units of study. One or more minors may be awarded upon the graduand's assessment of study. (See also Award course, Major, Stream.)

Mixed Mode

See Attendance mode.

Mutually exclusive units of study

See Prohibited combinations of units of study.

N

Non-award course (see Course)

Non-standard session

A teaching session other than the standard February and August sessions - e.g. Summer School, in which units of study are delivered and assessed in an intensive mode during January. (See also Semester, Session.)

O

Orientation Week

Orientation or 'O Week', takes place in the week before lectures begin in Semester 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.

P

Part-time student

See Attendance Mode, Attendance Pattern, Equivalent Full-Time Student Units (EFTSU).

Permanent home address

The address used for all official University correspondence with a student, both inside and outside of semester time (e.g. during semester breaks), unless the student provides a different overridden by semester address for use during the semester. (See also Semester address.)

PhD

The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study. (See also Award course, Doctorate.)

Plagiarism

Presenting another person's ideas, findings or work as one's own by copying or reproducing them without the acknowledgement of the source. (See also Academic dishonesty.)

Postgraduate

A term used to describe a course leading to an award such as graduate diploma, a master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course. (See also Course – Coursework, Course - Research)

Postgraduate Education Loans Scheme (PELS)

An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme will cease in this manner from 1 January, 2005, and will be replaced by the FEE-HELP scheme.

Potential graduand

A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies. (See also Graduand, Graduation.)

Pre-enrolment

Pre-enrolment - also known as provisional re-enrolment - takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period. (See also Enrolment.)

Prerequisite

A unit of study that is required to be successfully completed before another unit of study can be attempted. Pre-requisites can be mandatory (compulsory) or advisory. (See also Assumed knowledge, Co-requisite, Waiver, Qualifier.)

Prizes

Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature

A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional Practice

Students undertake placement in a professional practice as a part of their course requirements. May require University approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression

Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed. (See also Exclusion.)

Prohibited Combinations of units of study

When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit. (See also Unit of Study.)

Provisional re-enrolment

See Pre-enrolment.

Q

Qualification

An academic attainment recognised by the University.

Qualifier

A mandatory (compulsory) pre-requisite unit of study which must have a grade of Pass or better. (See also Assumed knowledge, Co-requisite, Pre-requisite, Waiver.)

R

Recycling

The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration

In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course

See Course - research.

Research supervisor

A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Supervision.)

Result processing

Refers to the processing of assessment results for units of study. For each unit of study, departments tabulate results for all assessment activities and assign preliminary results. (See also Assessment, Formative assessment, Examination period, Summative assessment)

Result processing schedule

The result processing schedule will be determined for each academic cycle. All departments and faculties are expected to comply with this schedule. (See also Assessment, Examination period, Result processing.)

Result

The official statement of a student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade. (See also Grade, Mark.)

Research Training Scheme (RTS)

The RTS provides Commonwealth-funded higher degree by research (HDR) students with an 'entitlement' to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years' full-time equivalent study for a Doctorate by research and two years' full-time equivalent study for a Masters by research.

S

Scholarships

Financial or other form of support made available to enable students to further their studies. (See also Bursaries)

School

A school or academic unit shall encourage and facilitate teaching, scholarship and research and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester

A half-yearly teaching session whose dates are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board. (See also Session, Non-standard session.)

Semester address

The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate

The governing body of the University. (See the University Calendar for more details of its charter and powers.)

Senate appeals

Senate appeals are held for those students who, after being excluded by a faculty from a course, appeal to the Senate for readmission. While any student may appeal to the Senate against an academic decision, such an appeal will normally be heard only after the student has exhausted all other avenues, i.e. the department, faculty, board of study and - in the case of postgraduates -, the Committee for Graduate Studies. (See also Exclusion.)

Session

Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester 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 session.)

Session address

See Semester address.

Short Course

A fee paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show Cause

See Progression, Exclusion

Special consideration

Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Sponsorship

Financial support of a student by a company or government body.

Stage

A normal full time course of study taken in a year. (See also Course Rules, EFTSU, Progression)

Stream

A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on testamurs, e.g. Bachelor of Engineering in Civil Engineering (Construction Management). (See also Award course, Major, Minor.)

Student

Student means a person enrolled as a candidate for an award course or unit of study.

Student Identifier (SID)

A 9-digit number which uniquely identifies a student at the University.

Student ID Card

All students who enrol are issued with an identification card. The card includes the student's name, SID, the course code, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student Progress Rate (SPR)

A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type

Student type identifies whether a student is local or international and the type of study the student is undertaking. (See also International student, Domestic student, Exchange Student.)

Study Abroad Program

A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution. (See also Exchange student.)

Subject Area

A unit of study may be associated with one or more subject areas. The subject area can be used to define prerequisite and course rules, e.g. the unit of study 'History of Momoyama and Edo Art' may

count towards the requirements for the subject areas 'Art History and Theory' and 'Asian Studies'.

Summative assessment

See Assessment.

Summer School

See Sydney Summer School.

Supervising Faculty

The faculty which has the responsibility for managing the academic administration of a particular course, i.e. the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course. However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (e.g. the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision

Refers to a one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role. (See also Advisor, Associate supervisor, Instrumental supervisor/teacher, Research supervisor.)

Suppression of results

Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension

See Course leave.

Sydney Summer School

A program of accelerated, intensive study running for approximately 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 attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

T

Teaching department

See School.

Teaching End Date

Official finish date of formal timetabled classes.

Teaching Start Date

Official commencement date of formal timetabled classes

Terminated

Term used when a student's candidature has been officially closed because they are not able to complete the Course requirements. (See also Candidature.)

Testamur

A certificate of award provided to a graduand, usually at a graduation ceremony. The Award conferred will be displayed along with other appropriate detail.

Thesis

A major work that is the product of an extended period of supervised independent research. (See also Course - Research.)

Timetable

The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

See Academic transcript.

Transfer

See Course transfer.

Tuition fees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U

Universities Admissions Centre (UAC)

The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)

A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under Examination

Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners' outcome and recommendation.

Undergraduate

A term used to describe both a course leading to a diploma or bachelor's degree and a student enrolled in such a course.

Unit of study

Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department. (See also Prohibited Combinations of Unit of Study.)

Unit of study enrolment status

The enrolment status indicates whether the student is still actively attending the unit of study (i.e. currently enrolled) or is no longer enrolled. (See also Discontinuation or Cancellation.)

Unit of study level

Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University

Unless otherwise indicated, University in this document refers to the University of Sydney.

University Medal

A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate Honours degree (or some master's degrees), whose academic performance is judged to be outstanding.

Upgrade

Where a student enrolled in a Master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

USYDnet

The University of Sydney's intranet system. It provides access to other services such as directories (maps, staff and student, organisations), a calendar of events (to which staff and students can submit entries), and a software download area.

V

Variation of enrolment

See Enrolment variation.

Vice-Chancellor and Principal

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W

Waiver

In a prescribed course, a faculty may waive the pre-requisite or co-requisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course. (See also Credit, Exemption.)

Winter School

An intensive session offered by the University during the mid-year break

Weighted Average Mark (WAM)

This mark uses the unit of study credit point value in conjunction with an agreed "weight". The formula for this calculation is:

$$(\text{mark} * \text{credit_pt_value} * \text{level weight}) / (\text{credit_pt_value} * \text{level weight})$$

(sums over all UoS completed in the selected period)

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/Fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations; however, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. (See also WAM Weight)

WAM Weight

A weight assigned to each unit of study to assist in the calculation of WAMs.

Y

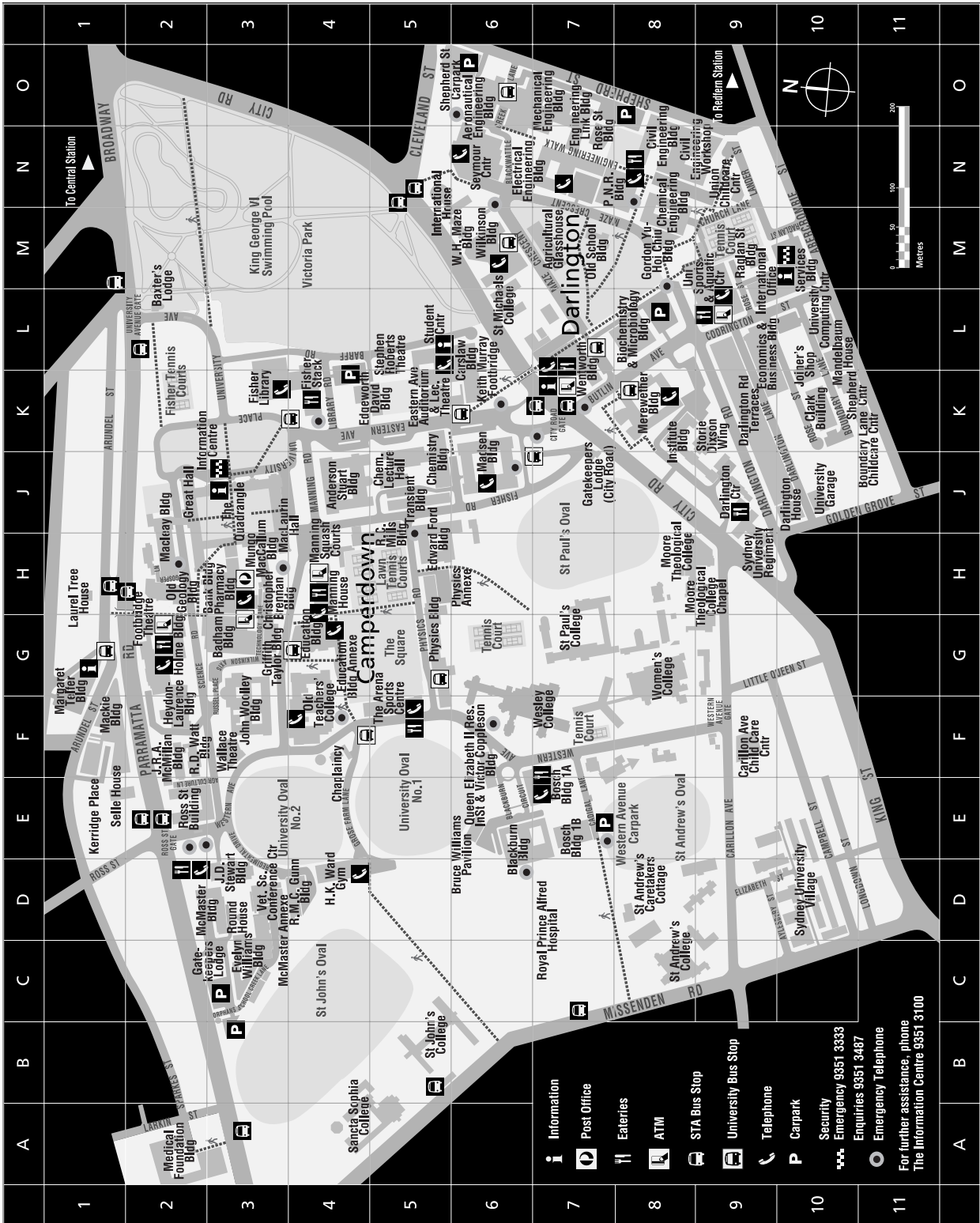
Year of First Enrolment (YFE)

The year in which a student first enrolls at the University. (See also Commencement date.)

Youth Allowance

Youth Allowance is payable to a full-time student or trainee aged 16–24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.

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 Carlaw 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 Coppelson Building
 - F3 Wallace Theatre
 - K7 Wentworth Building
 - E7 Western Avenue Carpark
 - M6 W.H. Maze Building
 - M6 Wilkinson Building
- Academic Colleges (offices)**
- H5 Health Sciences
 - F4 Humanities and Social Sciences
 - N8 Sciences and Technology
- Childcare Centres**
- K11 Boundary Lane
 - F9 Carillon Avenue
 - H1 Laurel Tree House
 - N9 Union
- Colleges and Residential Accommodation**
- J10 Darlington House
 - K9 Darlington Road Terraces
 - N5 International House
 - L10 Mandelbaum House

- A4 Sancta Sophia College
 - C8 St Andrew's College
 - B5 St John's College
 - L6 St Michael's College
 - G7 St Paul's College
 - E1 Selle House
 - D10 Sydney University Village
 - F7 Wesley College
 - G8 Women's College
- Computer Access Centres (ITS)**
- G3 Brennan
 - G4 Education
 - K3 Fisher
 - N7 Link
 - L6 McGrath (Carlaw)
 - H3 Pharmacy
- Cultural Venues**
- G2 Footbridge Theatre
 - H2 Macleay Museum
 - J3 Nicholson Museum
 - N6 Seymour Centre
 - K7 Sir Hermann Black Gallery
 - M6 Tin Sheds Gallery
 - J2 War Memorial Art Gallery
- Facilities (offices)**
- F2 Agriculture
 - M6 Architecture
 - H3 Arts
 - K8 Economics and Business
 - G4 Education and Social Work
 - N7 Engineering
 - H5 Medicine
 - H3 Pharmacy
 - L6 Science
 - D3 Veterinary Science
- Libraries**
- M6 Architecture
 - G3 Badham
 - H5 Burkitt-Ford
 - K3 Curriculum Resources
 - N8 Engineering
 - K3 Fisher
 - J6 Madsen
 - L6 Mathematics
 - E7 Medical
 - N6 Music
 - H6 Physics
 - H5 Schaeffer Fine Arts
- Retail**
- H3 Australia Post Office
 - H3 Bank Building
 - J9 Darlington Centre
 - G2 Holme Building
 - H4 Manning House

- F5 The Arena Sports Centre
 - M9 University Copy Centre
 - K7 University Health Service
 - M9 University Sports and Aquatic Centre
 - M9 University Co-op Bookshop
 - D3 Veterinary Hospital and Clinic
 - K7 Wentworth Building
- Security**
- M10 Emergency Services
 - M10 Lost Property
 - J3 Information Centre
 - M10 Traffic and Parking
- Sports and Recreational Venues**
- K2 Fisher Tennis Courts
 - D4 HK Ward Gymnasium
 - H5 Lawn Tennis Courts
 - H4 Manning Squash Courts
 - F5 The Arena Sports Centre
 - G5 The Square
 - E5 University Oval 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

